

Acinetobacter calcoaceticus (Beijerinck) Baumann et al.

	2/60	H.Oehring, HI, Jena, GDR (Bacterium anitratum). (Medium 1 37C)
6166	3/65	ATCC, "15149" (Bacterium anitratum). (Medium 1 37C)
6167	4/75	CCM, "5581", NCTC, "5866" (Acinetobacter lwoffii). (Medium 4 37C)
6168	5/78	ATCC, "19606" (Bacterium anitratum). Type strain of Bacterium anitratum. (Medium 1 37C)
	Mi 1/65	D.Kalvodová, ÚLMI KU (Mima polymorpha var. oxidans). Urethra "3247/8". (Medium 4 37C)
6753	6/65	ATCC, "14294" (Herellea sp). One of three strains used in production of polyvalent antiserum for rapid identification of Herellea spp. (Medium 4 37C)
6754	7/65	ATCC, "14682" (Diplococcus mucosus). Spinal fluid. (Medium 4 37C)
	8/66	M.Neubauer, OHS, Havlíčkův Brod (Mima polymorpha). Spinal fluid "9878/66k". (Medium 4 37C)
6755	9/66	ATCC, "15473" (Herellea sp). Produces cephalosporinase and penicillinase. (Medium 4 20C)

Acinetobacter lwoffii (Audreau) Brisou

6172	Mi 3/65	ATCC, "9957" (Mima polymorpha). From a case of gas gangrene. (Medium 4 37C)
6169	4/65	ATCC, "14292" (Mima polymorpha). Human. Serotype 16. (Medium 4 37C)
6170	5/65	ATCC, "9955" (Herellea sp). Spinal fluid. (Medium 4 37C)

Actinobacillus actinomycetemcomitans (Klinger) Topley and Wilson

6165	Ab 2/88	"CCM 6053". (Medium 7 37C, Anaerobic)
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Actinobacillus lignieresii Brumpt

6163	Ab 1/79	E.Aldová, IHE - KHS, Banská Bystrica. Lymph nodes of a ram "22217". (Medium 2 37C)
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Actinomyces bovis Harz

	A 28/68	ATCC, "13683". Lumpy jaw in cows. (Medium 8 37C, Anaerobic)
	33/72	ATCC, "13684". (Medium 8 37C, Anaerobic)
	34/72	ATCC, "19010". (Medium 8 37C, Anaerobic)
	35/72	M.A.Gerencser, WVU, "292" - IP, "B5" (Actinobacterium israelii). (Medium 8 37C, Anaerobic)

Actinomyces israelii (Kruse) Lachner-Sandoval

	A 4/49	SZÚ. Pus and man's teeth "4042". (Medium 8 37C, Anaerobic)
	5/49	SZÚ. Pus "3056". (Medium 8 37C, Anaerobic)
	6/49	SZÚ. Pus "3870". (Medium 8 37C, Anaerobic)
	7/49	SZÚ. Pus "711". (Medium 8 37C, Anaerobic)
	18/49	S.Brabec, VÚHEM. From a focus of actinomycosis in man. (Medium B 37C, Anaerobic)
	19/49	SZÚ. Pus "123". (Medium 8 37C, Anaerobic)
	20/50	SZÚ. Pus "112". (Medium 8 37C, Anaerobic)
	21/50	SZÚ. Pus "11". (Medium 8 37C, Anaerobic)
	22/50	SZÚ. Pus "69". (Medium 8 37C, Anaerobic)
	23/50	SZÚ. Pus "71". (Medium 8 37C, Anaerobic)
	24/51	SZÚ. Pus "127". (Medium 837C, Anaerobic)
	25/51	SZÚ. Pus "16". (Medium 8 37C, Anaerobic)
	26/51	SZÚ. Pus "1". (Medium 8 37C, Anaerobic)
	27/68	ATCC, "10048" (Actinomyces bovis). (Medium 8 37C, Anaerobic)
	36/72	ATCC, "12102". Brain abscess (human). Serotype 1. Type strain. (Medium 8 37C, Anaerobic)
	37/72	ATCC, "10049" (Actinomyces bovis). Human actinomycosis. Serotype 1. (Medium 8 37C, Anaerobic)
	38/72	M.A.Gerencser, WVU, "307" - P.Holm, Sts, "8/46-47", ATCC, "29322". Serotype 2. (Medium 8 37C, Anaerobic)

Actinomyces naeslundii Thompson and Lovstedt

- A 30/68 ATCC, "12104". Human sinus. Type strain. (Medium 8 37C, Anaerobic)  
 39/72 M.A.Gerencser, WVU, "398 A". Human dental calculus. (Medium 8 37C, Anaerobic)

Actinomyces odontolyticus Batty

- A 31/68 ATCC, "17929". Deep carious lesions around teeth. Type strain. (Medium 8 37C, Anaerobic)  
 40/72 ATCC, "17982". Carious lesions of the dentine. (Medium 8 37C, Anaerobic)  
 41/72 M.A.Gerencser, WVU, "482", ATCC, "29323". Human dental calculus. (Medium 8 37C, Anaerobic)

Actinomyces pyogenes (Glage) Reddy et al.

- Cor 3/49 E.Aldová, ÚEM (Corynebacterium pyogenes var. bovis) . Bovine pus "11507".. (Medium 2 37C)  
 6/57 M.Neubauer, OHS, Havlíčkův Brod. Sow lactiferous gland pus "28-z". (Medium 2 37C)  
 5660 Cor 7/57 M.Neubauer. Cow š pus "104-z". (Medium 2 37C)  
 8/57 M.Neubauer. Fistule in cow s vagina "142-z". (Medium 2 37C)  
 5652 9/57 M.Neubauer. Cow š pus "151-z". (Medium 2 37C)  
 27/63 J.E.Smith, Royal Veterinary College, London, England, "Lovell s47". (Medium 2 37C)  
 5761 33/70 NCTC, "5224", ATCC, "19411". Pig. Type strain. (Medium 2 37C)  
 36/70 J.Y.Homma, Kitasato Institute, Tokyo, Japan, "Daini-Nojo". (Medium 2 37C)  
 37/70 J.Y.Homma, "Tojo-Hai". (Medium 2 37C)  
 55/75 NCTC, "9825". Arthritis in calf. (Medium 2 37C)  
 56/75 NCTC, "7450". Sheep. (Medium 2 37C)  
 5762 57/75 NCTC, "6451", ATCC, "8108". Porcine. (Medium 2 37C)  
 5743 58/75 NCTC, "6448", ATCC, "8104". Bovine mastitis. (Medium 2 37C)  
 5744 60/76 ATCC, "8164". Bovine mastitis. (Medium 2 37C)  
 5745 61/76 ATCC, "8165". Bovine mastitis. (Medium 2 37C)  
 5746 63/76 ATCC, "9731". Bovine. (Medium 2 37C)  
 5747 64/76 ATCC, "9732". Bovine. (Medium 2 37C)  
 5748 65/76 ATCC, "9733". Porcine. (Medium 2 37C)

Actinomyces viscosus (Howell et al.) Georg et al

- A 42/72 ATCC, "19246" (Actinomyces discofoliatus). Human case of cervico-facial actinomycosis. (Medium 8 37C, Anaerobic)  
 43/72 ATCC, "15988" (Odontomyces viscosus). Hamster. (Medium 8 37C, Anaerobic)  
 1/68 ATCC, "15987" (Odontomyces viscosus). Naturally occurring periodontal disease in hamsters. Type strain. (Medium 8 37C, Anaerobic)

Aeromonas caviae (ex Eddy) Popoff

- 5717 Aer 8/78 J.Karolček, VÚEM (Aeromonas hydrophila subsp. anaerogenes). Faeces "28/Id/77" .Enterotoxin producer. (Medium 1 37C)  
 11/79 J.Karolček. Amniotic fluid "21/Id/77". (Medium 1 37C)  
 12/79 J.Karolček. Bile "24/Id/77". (Medium 1 37C)  
 13/79 J.Karolček. Urine "26/Id/77". (Medium 1 37C)  
 14/79 J.Karolček. Faces "141/Id/77". (Medium 1 37C)  
 15/79 J.Karolček. Urine "146/Id/77". (Medium 1 37C)  
 5787 16/79 J.Karolček. Sputum "155/Id/77". (Medium 1 37C)  
 19/79 J.Karolček (Aeromonas hydrophila subsp. anaerogenes). Faeces "317/Id/76". (Medium 1 37C)  
 5716 24/88 OSM, "30190", ATCC, "15468". Epizootic of young guinea pigs. Type strain. (Medium 1 37C)

Aeromonas hydrophila (Chester) Stanier

5541	Aer 4/65	E.Aldová, ÚEM. Aquarium water "8768". (Medium 1 37C)
5538	7/78	J.Duben, OHS, Havlíčkův Brod. Cerebrospinal fluid of infant "113S/78". (Medium 1 37C)
9/78		J.Karolček, VÚEM. Faeces "349/Id/76". Enterotoxin producer. (Medium 1 37C)
17/79		J.Karolček. Wound "2/Id/77". (Medium 1 37C)
18/79		J.Karolček. Faeces "6/Id/77". (Medium 1 37C)

Aeromonas media Allen et al.

5719	Aer 25/88	E.Aldová, IHE - CCM "3653". (Medium 2 30C)
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Aeromonas salmonicida (Lehman and Neumann) Griffin et al.

5539	Aer 5/66	CCM, "1307". (Medium 2 20C)
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Aeromonas schubertii Hickman-Brenner et al.

5720	Aer 28/88	F.W.Hickman-Brenner, CDC, "2446-81" (Aeromonas group 50), ATCC, "43700". Forehead abscess. Referred to as the type strain. (Medium 2 30C)
	65/89	E.Aldová, IHE. Water conduit "18825". (Medium 2, 11 30C)

Aeromonas sp.

	Aer 1/65	O.Lysenko, CCEB, "542". (Medium 1 37C)
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Aeromonas veronii Hickman-Brenner et al.

5721	Aer 26/88	F.W.Hickman-Brenner, CDC1, "1169-83", ATCC, "35624". Sputum of drowning victim. Type strain. (Medium 2 37C)
5722	27/88	F.W.Hickman-Brenner, CDC1, "964-83", ATCC, "35623". Diarrheatic stool. (Medium 2 37C)
5723	64/89	A.Budilová, KHS, Ostrava. Pus from fracture wound "28973". (Medium 237C)

"Alcaligenes bookeri"

	A1 2/49	SZÚ, "780". (Medium 1 37C)
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Alcaligenes faecalis Castellani and Chalmers

6180	A1 1/48	SZÚ. Blood "8791". (Medium 1 37C)
	4/76	B.Brzin, Institute of Microbiology, Ljubljana, Yugoslavia (Alcaligenes odorans subsp. viridans). S strain "S/76". (Medium 1 37C)
	5/76	B.Brzin (Alcaligenes odorans subsp. viridans). R strain "R/76". (Medium 1 37C)
5536	PS 14/45	SZÚ (Pseudomonas odorans). Faeces "8506". ATCC, "15554". Type strain of Alcaligenes odorans. (Medium 1 37C)
5547	15/47	SZÚ. Faeces "48274". Media testing. (Medium 1 37C)

Alcaligenes marshallii (Buchanan and Hammer) Bergey et al.

5548	A1 3/67	E.Aldová, ÚEM - OHS, Třinec. Urine "11669". (Medium 1 30C)
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Arachnia propionica (Buchanan and Pine) Pine and Georg

	A 32/68	ATCC, "14157" (Actinomyces israelii) Lacrimal canaliculitis. Type strain. (Medium 8 37C, Anaerobic)
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Arcanobacterium haemolyticum (MacLean et al.) Collins et al.

	Cor 10/59	E.Schon, ÚLMI KU (Corynebacterium pyogenes var. hominis). Clinical material, "Pa 182". (Medium 2 37C)
	11/59	E.Sch-n. Clinical material, "CP X". (Medium 2 37C)

12/59		E.Sch~n. Clinical material, "CP III". (Medium 2 37C)
5693	19/62	NCTC, "8452", ATCC, "9345". Type strain. (Medium 2 37C)
5661	20/62	Division of Laboratories and Research, Albany, USA, "50322". (Medium 2 37C)
5699	78/80	L.Záhorová, ÚLMI KU. Human "K 29". (Medium 2 37C)
5756	79/80	A.Souček, ÚLMI KU. Human "K 501". (Medium 2-37C)

Bacillus anthracis Cohn

Ba 1/27		SZÚ, "3 Praha". (Medium 1 37C)
2/28		SZÚ, "4 Praha". (Medium 1 37C)
3/33		SZÚ, "koželuh". (Medium 1 37C)
4/33		SZÚ, "Pasteur". (Medium 1 37C)
5/35		SZÚ, "Friihur". (Medium 1 37C)
6/35		ÚSOL, "6". (Medium 1 37C)
7/35		ÚSOL, "7". (Medium 1 37C)
8/40		SZÚ, "22815". (Medium 1 37C)
9/40		SZÚ, "22931". (Medium 1 37C)
10/45		SZÚ, "27". (Medium 1 37C)
11/45		SZÚ, "28". (Medium 1 37C)
12/45		SZÚ, "19". (Medium 1 37C)
13/50		SZÚ. Lamb skin. (Medium 1 37C)
14/55		J.Jakeš, SVÚ, Jihlava. Cow "161". (Medium 1 37C)
15/64		VÚHEM - USSR, "STI". Avirulent. (Medium 1 37C)
16/64		V.Marjáněk, Bioveta, Ivanovice, "Stern F 2-11/62". Avirulent, for preparation of vaccine. (Medium 1 37C)

Bacillus cereus Frankland and Frankland

6203	Bc 1/41	SZÚ. Milk "8792". (Medium 1 37C)
	2/41	SZÚ, "25805". (Medium 1 37C)
	3/42	SZÚ, "57223". (Medium 1 37C)
	4/43	SZÚ, "3056". (Medium 1 37C)
	5/43	SZÚ, "s-form". (Medium 1 37C)
6204	6/61 (Medium 1 37C)	NCTC, "9946", ATCC, "13061". Mutant of strain "Sneath 5/B". Produces penicillinase.
6226	7/69	NCTC, "10320", ATCC, "11778" ( <i>Bacillus mycoides</i> ). Assay of tetracyclines. (Medium 1 37C)
6205	8/78	ATCC, "10702". Assay of aureomycin level in body fluid. (Medium 1 37C)
6206	9/87	Labs of L.D.Sabath, University of Minnesota, Minneapolis, USA, "569/H" ATCC, "27348". Producer of a "broad spectrum" beta-lactamase for use in assaying mixtures of antibiotics. (Medium 1 37C)

Bacillus circulans Jordan

6207	Bac 6/79	ATCC, "21737". Soil. Production of a sucrose-staroh sweetner. (Medium 1 30C)
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Bacillus coagulans Hammer

6208	Bac 8/79	T.G.Pridham, NRRL, "B-5662". (Medium 1 37C)
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Bacillus firmus Bredemann and Werner

6209	Bac 9/79	T.G.Pridham, NRRL, "B-1107". (Medium 1 37C)
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Bacillus licheniformis (Weigmann) Chester

6210	Bac 3/78	ATCC, "749". Production of penicillinase. (Medium 1 37C)
6211	5/79	ATCC, "21415". Production of alkaline, detergent-resistant protease. (Medium 1 37C)
6212	7/79	ATCC, "21424". Production of alkaline protease. (Medium 1 37C)

Bacillus megatherium de Bary

6200	Bm 1/32	SZÚ, "Mega I". (Medium 1 37C)
	2/37	SZÚ, "Africa". (Medium 1 37C)
	3/39	SZÚ, " Bacillus petasites".(Medium 1 37C)
6756	4/58	I.Alföldi, Regional Hygiene Station, Szeged, Hungary, "25". Producer of megacine. (Medium 1 37C)
6213	5/74	ATCC, "13632". Non-spore-forming variant. (Medium 1 37C)

Bacillus mycoides Flugge

6201	Bcm 1/37	J.Kořínek, Ústav pro obecnou mikro-biologii přírodovědecké fakulty KU (Institute for General Microbiology, Natural Sciences Faculty, Charles University), Praha. (Medium 1 37 C)
6202	2/37	SZÚ, "II". (Medium 1 37C)
	3/37	SZÚ, "III". (Medium 1 37C)
	5/58	VNIIA, "HB2". Erythromycin assay. (Medium 1 37C)
	6/78	SÜKL - GKI, "GNIKLS 537". Monomycin, neomycin and streptomycin assay. (Medium 1 37C)

Bacillus pumilus Meyer and Gottheil

6214	Bac 2/65	VÚA - NCTC, "8241", ATCC, "14884", NCIB, "8982". Assay of chlortetracycline, erythromycin, framycetin, gentamicin, kanamycin, lymecycline, neomycin, oxy-tetracycline. (Medium 1 37C)
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Bacillus sp.

6258	Bac 13/86	OSM, "2518" - ATCC, "21594". Soil. Produces alkaline amylase. Production of cyclodextrin. (Medium 1 30C)
6757	14/86	OSM, "2519" - ATCC, "21595". Soil. Produces alkaline amylase. Production of cyclodextrin. (Medium 1 30C)
6249	15/86	DSM, "2523" - ATCC, "31006". Soil. Production of cyclodextrins. (Medium 1 30C)
6250	Bac 16/86	OSM, "2524" - ATCC, "31007". Soil. Production of cyclodextrins. (Medium 1 30C)

Bacillus stearothermophilus Donk

6227	Bac 1/64	Oxoid, "Oxoid". For testing autoclaves. (Medium 1 56C)
6228	10/82	CCM "5965 C953" (Bacillus stearothermophilus var. calidolactis).(Medium 1 56C)
6229	11/83	ATCC "12980". Type strain. (Medium 1 56C)
6228	12/83	ATCC "10149" (Bacillus calidolactis). Assav of penicillins in milk. (Medium 1 56C)

Bacillus subtilis (Ehrenberg) Cohn

5532	Bs 1/37	SZÚ, "Dvůr Králové". (Medium 1 37C)
	2/40	SZÚ. (Medium 1 37C)
	3/41	SZÚ (Bacillus mesentericus).(Medium 1 37C)
6215	4/42	SZÚ. Air. (Medium 1 37C)
	5/43	SZÚ, "27502" (Bacillus mesentericus).(Medium 1 37C)
	6/47	SZÚ, "81 E". (Medium 1 37C) 7/47 SZÚ;"51626".'(Medium 1 37C)
	5610	8/58 ATCC, "6633". Assay of dactinomycin, dihydrostreptomycin, mitomycin, rifampin,

		vancomycin.
		Production of subtilin. (Medium 1 37C)
	9/58	VÚA, "SD (PCI) 220". (Medium 1 37C)
6758	10/58	VNIIA, "L 2". Assay of tetracyclines. (Medium 1 37C)
6759	11/60	Glaxo, "8 IE". Producer of penicillinase. (Medium 1 37C)
6760	12/60	Glaxo, "MB 32". Novobiocin assay. (Medium 1 37C)
6199	13/60	Glaxo, "MB 32 S0R". Streptomycin-and dihydrostreptomycin-resistant; for titration of penicillin in a mixture with streptomycin. (Medium 1 37C)
6761	14/60	Glaxo, "841". Assay of penicillin, streptomycin and dihydrostreptomycin. (Medium 1 37C)
6762	15/63	W.W.Wright, Division of Antibiotics, Washington, USA. Assay of novobiocin. (Medium 1 37C)
6216	16/65	NCTC, "10073" (Camp Detrick), ATCC, "9372" ( <i>Bacillus globigii</i> , <i>Bacillus subtilis</i> var. niger). Hot-air sterilization control, for testing ethylene oxide activity. (Medium 1 37C)
6217	17/65	VÚA - NCTC, "8236", ATCC, "11774". Assay of penicillin, streptomycin, vancomycin and viomycin. Produces a weak penicillinase. (Medium 1 37C)
5615	18/66	J.Sedlák, LFH KU - MAST Laboratories, Liverpool, England -ATCC, "6051". Blood screening for phenylketonuria. Type strain. Disinfectant testing. (Medium 1 37C)
6763	19/66	J.Ungar, Glaxo. For quantitative determination of cephalosporine. (Medium 1 37C)
6764	20/66	J.Ungar, "C 289 RCP". For quantitative determination of cephalosporine. (Medium 1 37C)
	21/79	T.G.Pridham, NRRL, "B-3699". (Medium 1 37r.)
6218	Bs 22/86	DSM, "618", strain BGA. Official test strain for detection of antibiotic residues in meat. (Medium 1 37C)

Bacteroides distasonis Eggerth and Gagnon

6765	An 1/78	A.Hudáč, VÚEM. Appendicitis "40/78". (Medium 7 37C, Anaerobic)
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Bacteroides fragilis (Veillon and Zuber) Castellani and Chalmers

6150	An 4/80	A.Hudáč, VÚPL. Abscess "68/80". (Medium 7 37C, Anaerobic)
6766	10/80	A.Hudáč. Empyema cholecystae "783/80". (Medium 7 37C, Anaerobic)
5632	13/83	ATCC, "25285" - NCTC, "9343". Appendix abscess. Neotype strain. (Medium 7 37C, Anaerobic)

Bacteroides ovatus Eggerth and Gagnon

6151	An 5/80	A.Hudáč, VÚPL. Peritonitis "637/80". (Medium 7 37C, Anaerobic)
6147	11/83	L.Brezinová, IKEM. Wound pus "142/79". (Medium 7 37C, Anaerobic)

Bacteroides thetaotaomicron (Distaso) Castellani and Chalmers

6146	An 6/80	A.Hudáč, VÚPL. Empyema of gall bladder "644/80". (Medium 7 37C, Anaerobic)
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Bacteroides ureolyticus Jackson and Goodman

	An 15/88	L.Brezinová, IKEM. Vaginal smear "756 (Medium 7 37C, Anaerobic)
	21/88	L.Brezinová. Wound "98/88". (Medium 7 37C, Anaerobic)
	22/88	L.Brezinová. Wound secretion "292/88". (Medium 7 37C, Anaerobic)

Bacteroides vulgatus Eggerth and Gagnon

6152	An 7/80	A.Hudáč, VÚPL. Purulent otitis media "664/80". (Medium 7 37C, Anaerobic)
	12/83	L.Brezinová, IKEM. Rectal swab "299". (Medium 7 37C, Anaerobic)

Bifidobacterium dentium Scardovi and Crociani

A 29/68 ATCC, "15423". Lung abscess in adult male. Type strain of *Actinomyces eriksonii*. (Medium 7 37C, Anaerobic)

Bifidobacterium infantis Reuter

A 44/72 ATCC, "17930" (*Actinomyces parabifidus*). (Medium 30 37C, Anaerobic)  
15 Wiesby Laboratories, Niebull, FRG,"420' Use in food industry. (Medium 30 37C, Anaerobic)

Bifidobacterium longum Reuter

14 Wiesby Laboratories, Niebiill, FRG,"2". Use in food industry. (Medium 30 37C, Anaerobic)

Bordetella bronchiseptica (Ferry) Morenb-Lopez

Brb 2/59 G.Eldering, Division of Laboratories, Western Michigan Section, Grand Rapids USA,"5376". (Medium 2 37C)  
3/59 G.Eldering, "214". (Medium 2 37C)  
4/59 G.Eldering, "899". (Medium 2 37C)  
6262 5/63 W.W.Wright, Division of Antibiotics, Washington, USA, "11", ATCC, "461  
Reference strain for microbioassay of colistin and polymyxin B. (Medium 2 37C)

Bordetella parapertussis (Eldering and Kendrick) Moreno-Lopez

5273 Hpp 1/58 B.Vysoká, ÚEM, "254". (Medium 9 37C)  
5265 2/58 B.Vysoká, "1030". (Medium 9 37C)  
5274 3/58 B.Vysoká, "1073". (Medium 9 37C)  
5266 4/58 B.Vysoká, "1074". (Medium 9 37C)  
5/59 G.Eldering, Division of Laboratories, Western Michigan Section, Grand Rapids, USA, "17903". (Medium 9 37C)  
5267 6/63 B.Vysoká, "342". (Medium 9 37C)  
5268 7/63 B.Vysoká, "651". (Medium 9 37C)

Bordetella pertussis (Bergey et al.) Moreno-- Lopez

## Serotype 1

5225 Hp 1/58 G.Evans, Medical Research Council, London, England, "18323". Ist phase, production of pertussis vaccine. (Medium 9 37C)  
5226 2/58 B.Vysoká, ÚEM. For intranasal challenge, "637". Producer of toxin. (Medium 9 37C)  
5257 8/61 Y.Kuwajima, University Medical School, Osaka, Japan, "Robert Ospeck 33". Highly toxic strain without S antigen (intermedial strain). (Medium 9 37C)  
5288 9/63 J.Munoz, National Institute of Allergy and Infectious Diseases, Hamilton, USA, "2926". (Medium 9 37C)  
5229 10/63 J.Munoz, "2927". (Medium 9 37C)  
5239 14/66 N.Preston, University of Manchester, England, "G1 353". Media testing. (Medium 9 37C)

## Serotype 1, 2

5227 H<sup>p</sup> 5/59 G.Eldering, Division of Laboratories, Western Michigan Section, Grand Rapids, USA, "5374". (Medium 9 37C)  
5287 6/59 G.Eldering, "5375". (Medium 9 37C)  
5228 7/59 G.Eldering, "9797". (Medium 9 37C)  
5230 15/66 N.Preston, "E 360". (Medium 9 37C)  
5286 17/68 A.Geser, WHO Epidemiological Centre, Nairobi, Kenya, "K 25".

(Medium 9 37C)

## Serotype 1, 3

5256 Hp 4/59 G.Eldering, "5373". (Medium 9 37C)  
 5258 11/63 B.Vysoká, "619". (Medium 9 37C)  
 5255 12/63 B.Vysoká, "623". (Medium 9 37C)  
 13/63 B.Vysoká, "220". (Medium 9 37C)  
 5259 16/66 N.Preston, "H 36". (Medium 9 37C)  
 5260 21/93

## Serotype 1, 2, 3

6282 3/58 B.Vysoká, "638". (Medium 9 37C)  
 5261 18/68 A.Geser, "KA 007". (Medium 9 37C)  
 5262 19/68 A.Geser, "K 008". (Medium 9 37C)  
 5263 20/82 M.Maixnerová, LFH KU. Throat of a  
 child "3556". (Medium 9 37C)

Branhamella catarrhalis (Frosch and kolle) Catlin

N 7/66 L.Sýkorová, LFH KU. Sputum "3792". (Medium 4 37C, CO<sub>2</sub>)  
 6140 21/88 J.Y.Riou, IP, "N 417" - ATCC, "25238". Neotype strain. (Medium 6 37C, CO<sub>2</sub>)

*Brevibacterium lactofermentum* Okumura et al.

Bb 1/85 ATCC, "13869". Production of L-glutamic acid. (Medium 1 30C)  
 2/85 ATCC, "21798". Production of L-lysine. (Medium 1 30C)

*Brucella abortus* (Schmidt) Meyer and Shaw

Bra 4/33 St S, "Mensch". (Medium 2 37C)  
 5/33 St S, "Rind". (Medium 2 37C)  
 6269 6/33 Oxford. (Medium 2 37C)  
 21/37 LI, "624". (Medium 2 37C)  
 6272 27/39 SZÚ, "Košice". (Medium 2 37C)  
 33/39 SZÚ, "Velká Bystřice". (Medium 2 37C)  
 34/40 SZÚ, "Čáslav". (Medium 2 37C)  
 36/41 SZÚ, "Hlubín". Man. (Medium 2 37C)  
 6280 40/50 K.Rašín, Bioveta, Ivanovice, "Ornovice". (Medium 2 37C)  
 41/50 K.Rašín, "Vitčice". (Medium 2 37C)  
 45/53 A.Klauz, ÚSVÚ, Praha, "557". (Medium 2 37C)  
 46/53 A.Klauz. Bovine fetus "839". (Medium 2 37C)  
 47/53 A.Klauz. Bovine fetus "916". (Medium 2 37C)  
 48/53 A.Klauz. Bovine fetus "1626". (Medium 2 37C)  
 49/53 A.Klauz, Bovine fetus "301". (Medium 2 37C)  
 60/53 K.Rašín, "3". (Medium 2 37C)  
 62/53 ÚSVÚ, Bratislava, "3724/52". (Medium 2 37C)  
 63/53 ÚSVÚ, Bratislava, "18650/52". (Medium 2 37C)  
 64/53 ÚSVÚ, Bratislava, "7994/52". (Medium 2 37C)  
 65/53 ÚSVÚ, Bratislava, "1137/52". (Medium 2 37C)  
 66/53 ÚSVÚ, Bratislava, "7577/52". (Medium 2 37C)  
 67/53 ÚSVÚ, Bratislava, "18847". (Medium 2 37C)  
 68/53 ÚSVÚ, Bratislava, "18640". (Medium 2 37C)  
 69/53 ÚSVÚ, Bratislava, "432/52". (Medium 2 37C)  
 70/53 ÚSVÚ, Bratislava, "16872-3/52". (Medium 2 37C)



	72/56	ÚSVÚ, Praha. Bovine fetus "28". (Medium 2 37C)
	73/56	ÚSVÚ, Praha. Bovine fetus "3647". (Medium 2 37C)
6273	74/56	ÚSVÚ, Praha, "99" - Central Veterinary Laboratory, Weybridge, England. For preparation of antigen for diagnostic purposes. (Medium 2 37C)
	Bra 75/57	ÚSVÚ, Praha. Bovine fetus "0". (Medium 2 37C)
6767	76/57	F. Nižnánský, ÚSVÚ, Bratislava - St S, "Washington-B 19, USA". International S-strain. (Medium 2 37C)
6768	77/64	V. Potužník, KHS, České Budějovice. Haemoculture "46721/62". (Medium 2 37C)
6769	78/64	V. Potužník. Haemoculture "51231/62". (Medium 2 37C)
6770	79/64	V. Potužník. Haemoculture "3297/63". (Medium 2 37C)
6771	80/64	V. Potužník. Haemoculture "33487/63". (Medium 2 37C)
6288	81/64	V. Potužník. Haemoculture "40909/63". (Medium 2 37C)
6772	82/64	V. Potužník. Lochia interruption "41875/63". (Medium 2 37C)
6773	83/64	V. Potužník. Haemoculture "54911/63". (Medium 2 37C)
6774	84/64	V. Potužník. Haemoculture "69181". (Medium 2 37 C)
6775	85/64	V. Potužník. Haemoculture "61523/63". (Medium 2 37C)
	86/68	W.J.B.Morgan, Central Veterinary Laboratory, Weybridge, England, "544". (Medium 2 37C)

Brucella canis Carmichael and Bruner

6274	Br1/74	J. Holda, VÚFB, Rosice nad Labem - - ATCC, "23365". Allantoic fluid of aborted Beagle puppy. Type strain. (Medium 2 37C)
6290	2/74	Z. Kolář, ÚSVÚ, Praha. (Medium 2 37C)
6776	3/75	J. Holda. Blood of bitch (beagle) "859/75". (Medium 2 37C)

Brucella melitensis (Hughes) Meyer and Shaw

6275	Brm	3/39	LI, "80, Arkwright". (Medium 2 37C)
6281	4/56		Z. Kolář, ÚSVÚ, Praha. Sheep "P 6". (Medium 2 37C)
6287	7/68		W.J.B.Morgan, Central Veterinary Laboratory, Weybridge, England, "16M", ATCC, "23456". Biotype 1. Type strain. (Medium 2 37C)
6276	6/66		J. Král, SVÚ, Český Brod (Type intermedia). (Medium 2 37C)
	8/88		Z. Kolář, "Mosambique No. 6". (Medium. 2 37C)
	9/88		Z. Kolář, "Mosambique". (Medium 2 37C)
	10/88		Z. Kolář, "Mosambique No. 2". (Medium 2 37C)

Brucella ovis Buddle

6741	Br	4/84	M.J. Corbel, Central Veterinary Laboratory, Weybridge, England, "63/290", ATCC, "25840". Sheep. Type strain. (Medium 2 37C, CO <sub>2</sub> )
6283	5/88		Z. Kolář, ÚSVÚ, Praha, "IEM". (Medium 2 37C, CO <sub>2</sub> )
	6/88		Z. Kolář, "78". (Medium 2 37C, CO <sub>2</sub> )

Brucella suis Huddleson

6277	Br	5/53	K. Rašín, Bioveta, Ivanovice. Pig "3". (Medium 2 37C)
		12/53	ÚSVÚ, Bratislava, "13606/52". (Medium 2 37C)
		13/53	ÚSVÚ, Bratislava, "14944-53/52". (Medium 2 37C)

15/53		ÚSVÚ, Bratislava, "8194-5/52". (Medium 2 37C)
6278	18/68	W.J.B.Morgan, Central Veterinary Laboratory, Weybridge, England, "1330", ATCC, "23444". Type strain. (Medium 2 37C)
6289	19/88	Z.Kolář, ÚSVÚ, Praha, "Zvolen 2". (Medium 2 37C)
	20/88	Z.Kolář, "18". (Medium 2 37C)
	21/88	Z.Kolář, "5". (Medium 2 37C)

Budvicia aquatica Bouvet et al.

6284	Eb 4/81	E.Aldová, IHE. Drinking water, Prachatice "21930", ATCC, "35566". (Medium 2 37C)
6285	13/82	E.Aldová. Drinking water, Frýdek-Místek "20186", ATCC, "35567". Type strain. (Medium 1 20C)
6270	53/88	E.Aldová. Water, České Budějovice "22176". (Medium 1 37C)

Buttiauxella agrestis Ferragut et al.

6263	Eb 8/82	P.A.D.Grimont, IP, "CIP 80-31", ATCC, "33320". Soil. Type strain. (Medium 1 37C)
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Campylobacter fetus subsp. fetus (Smith and Taylor) Veron and Chatelain

6293	Ca 3/83	CCM, "6213". (Medium 10 37C, Anaerobic)
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Campylobacter jejuni (Jones et al.) Veron and Chatelain

Serovar 1 (Provisional scheme recommended by Kahlich et al.)

6286	Ca 7/88	R.Kahlich, VÚHEM. Stool "699". (Medium 10 37C, Anaerobic)
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Serovar 2

6266	Ca 8/88	R.Kahlich. Stool "821". (Medium 10 37C, Anaerobic)
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Serovar 3

	Ca 9/88	R.Kahlich. Stool "15". (Medium 10 37C, Anaerobic)
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Serovar 4

5234	Ca 10/86	CCM, "6191". Pig. (Medium 10 37C, Anaerobic)
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Serovar 5

6777	Ca 11/88	R.Kahlich. Stool "E <sub>1</sub> ". (Medium 10 37C, Anaerobic)
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Serovar 6

6778	Ca 12/88	E.Aldová. Stool "8 16". (Medium 10 37C, Anaerobic)
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Serovar 7

6779	Ca 13/88	E.Aldová. Stool "B 12". (Medium 10 37C, Anaerobic)
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Serovar 8

6780	Ca 14/88	E.Aldová. Stool "B 65". (Medium 10 37C, Anaerobic)
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Serovar 9

5235	Ca 15/88	E.Aldová. Stool "B 853". (Medium 10 37C, Anaerobic)
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Serovar 10

6781	Ca 16/88	R.Kahlich. Stool "304". (Medium 10 37C, Anaerobic)
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Serovar 11

6782	Ca 17/88	E.Aldová. Stool "B 940". (Medium 10 37C, Anaerobic)
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Serovar 12

6783	Ca 18/88	E.Aldová. Stool "B 683". (Medium 10 37C, Anaerobic)
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Serovar 13

6784	Ca 19/88	E.Aldová. Nose "CA 4-5-2". (Medium 10 37C, Anaerobic)
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Serovar 14

5241	Ca 20/88	R.Kahlich. Stool "75". (Medium 10 37C, Anaerobic)
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Serovar 15		
6785	Ca 21/88	E.Aldová - OHS, Jihlava. Stool "CT 43". (Medium 10 37C, Anaerobic)
Serovar 16		
6786	Ca 22/88	E.Aldová. Stool "B 901". (Medium 10 37C, Anaerobic)
Serovar 17		
6787	Ca 23/88	E.Aldová. Stool "CT 2". (Medium 10 37C, Anaerobic)
Serovar 18		
6788	Ca 24/88	E.Aldová. Stool "B 467". (Medium 10 37C, Anaerobic)
Serovar 19		
6789	Ca 25/88	E.Aldová. Stool "B 550". (Medium 10 37C, Anaerobic)
Serovar 20		
6790	Ca 26/88	E.Aldová. Stool "CT 1". (Medium 10 37C, Anaerobic)
Serovar 21 a		
6791	Ca 27/88	E.Aldová. Stool "B 191". (Medium 10 37C, Anaerobic)
Serovar 21 b		
6792	Ca 28/88	E.Aldová. Stool "B 553". (Medium 10 37C, Anaerobic)
Serovar 22		
6793	Ca 29/88	E.Aldová. Stool "B 774". (Medium 10 37C, Anaerobic)
Serovar 23		
6794	Ca 30/88	E.Aldová. Faeces of rabbits "CA 48". (Medium 10 37C, Anaerobic)
Serovar 24		
6795	Ca 31/88	E.Aldová. Stool "B 551". (Medium 10 37C, Anaerobic)
Serovar 25		
6796	Ca 32/88	E.Aldová. Stool "B 1045". (Medium 10 37C, Anaerobic)
Serovar 26		
6797	Ca 33/88	E.Aldová. Stool "B 1127". (Medium 10 37C, Anaerobic)
Serovar 27		
6798	Ca 34/88	E.Aldová. Stool "B 1203". (Medium 10 37C, Anaerobic)

Cedecea davisae Grimont et al.

5294 Eb 9/82 P.A.D.Grimont, IP, "C.005", ATCC, "33431". Human faeces. Type strain. (Medium 1 37C)

Cedecea lapagei Grimont et al.

6265 Eb 10/82 P.A.D.Grimont, IP, "C.004", ATCC, "33432". Human throat. Type strain. (Medium 1 37C)

Chlamydia psittaci (Lillie) Page

Št/56	J.Strauss, ÚEM. Sputum "Štanglová" (Praha). Duck strain.
K229P/56	J.Strauss. Duck spleen (East Bohemia).
V/59	I.I.Terskikh, IV. Human blood. Duck strain.
HD <sub>x</sub> /56	J.Strauss. Goose spleen (North Bohemia).
Ho1/56	F.Oekking, Universiteit van Amsterdam. Isol. 1950 from pigeons in the Netherlands.
RA <sub>1</sub> /56	J.Strauss. Isol. from a mixture of gull ( <i>Larus ridibundus</i> ) spleen and liver, Bohdaneč (East Bohemia).
Kub/64	J.Strauss. Isol. from a mixture of spleen and liver from <i>Tiaris</i> (Cuba). Parrot strain.
6 8C/65	F.B.Gordon, Naval Medical Research Institute, Bethesda, USA - K.F.Meyer, George Williams Hooper Foundation, San Francisco, USA. Parakeet from Los Angeles
S-1/88	E.Sádecký, J.Kazár, VÚ SAV. Enzootic abortion of ewes.
M-5/88	J.Kazár. Pigeon spleen.

Chlamydia trachomatis (Busacca) Rake

LGV/25 M.Štefánik, VÚHEM - J.Korb, ÚLMI KU. Serotype L<sub>2</sub>.

TW-5 J.Kazár, VÚ SAV - T.Forsey, Institute of Ophthalmology, London, England. Patient with trachoma. Serotype "8".

DK-20 J.Kazár - T.Forsey. Urogenital infection. serotype "E".

Chromobacterium violaceum Bergonzini

Chr 1/53 Výzkumný ústav pivovarského a sladařského průmyslu, (Research Institute of the Brewing and Malting Industry), Praha, ČSSR. (Medium 1 20C)  
 2/61 ATCC, "6357", NTCC, "8684". Human infection. (Medium 1 20C)  
 3/61 ATCC, "12542", NTCC, "9372". Strain Reeves (bovine). (Medium 1 20C)  
 6522 4/61 NCIB, "8507" (*Chromobacterium janthinum*). • (Medium 1 20C)

Citrobacter amalonaticus (Young et al.) Brenner and Farmer

Serovar 01 (Provisional scheme recommended by Šourek and Aldová)

5844 Le 1/73 C.Richard, IP-ATCC, "25405", NCTC, "10805" (*Levinea amalonatica*). Stool. Type strain. (Medium 1 37C)

Serovar 03

Le 20/88 E.Aldová. Stool "17595". (Medium 1 37C)

Serovar 05

Le 21/88 E.Aldová. Stool "18285". (Medium 1 37C)

Serovar 06

Le 22/88 E.Aldová. Stool "18345". (Medium 1 37C)

Serovar 07

5845 Le 23/88 E.Aldová. Stool "18043". (Medium 1 37C)

Serovar 06

Le 24/88 E.Aldová. Stool "18346". (Medium 1 37C)

Serovar 09

Le 25/88 E.Aldová. Stool "18631". (Medium 1 37C)

Serovar 010

Le 5/73 E.Aldová. Stool "17232". (Medium 1 37C)

Serovar 011

Le 3/73 E.Aldová. Milk "14898". (Medium 1 37C)

Serovar 012

Le 26/88 E.Aldová. Stool "17946". (Medium 1 37C)

Serovar 013

Le 27/88 E.Aldová. Stool "18396". (Medium 137C)

Serovar 014

Le 28/88 E.Aldová. Stool "18362". (Medium 1 37C)

Serovar 015

Le 29/88 E.Aldová. Drug "20370". (Medium 1 37C)

Serovar 016

Le 30/88 E.Aldová. *Rattus norvegicus* "18349". (Medium 1 37C)

Serovar 017

Le 31/88 E.Aldová. Stool "18374". (Medium 1 37C)

Serovar 018

Le 32/88 E.Aldová. Stool "18339". (Medium 1 37C)

Serovar 020

Le 33/88 E.Aldová. Stool "25253". (Medium 1 37C)

Serovar 024

Le 35/88 E.Aldová. Stool "26236". (Medium 1 37C)

Citrobacter amalonaticus biogroup 1

Serovar 04 (Provisional scheme recommended by Sourek and Aldová)

5846 Le 36/88 E.Aldová, IHE. Stool "17684". (Medium 1 37C)

Serovar 019

Le 37/88 E.Aldová. Stool "18360". (Medium 137C)

Serovar 021

Le 38/88 E.Aldová. Stool "18738". (Medium 1 37C)

Serovar 023

Le 39/88 E.Aldová. Stool "25010". (Medium 137C)

Citrobacter diversus (Burkey) Werkman and Gillen

Serovar 01 (Provisional scheme recommended by Sourek and Aldová)

5847 Le 2/73 C.Richard, IP, "Z-CAR/72" (*Levinea malonatica*). (Medium 1 37C)

Serovar 03

Le 7/73 E.Aldová. Stool "17765". (Medium 1 37C)

Le 11/74 C.Richard. Local environment (No. 36 008 N) "M 310/74". (Medium 1 37C)

Le 14/88 E.Aldová. Stool "18166". (Medium 1 37C)

Serovar 04

Le 15/88 E.Aldová. Stool "18283". (Medium 1 37C)

Serovar 05

Le 16/88 E.Aldová. Stool "18163". (Medium 1 37C)

Serovar 06

Le 6/73 E.Aldová. Stool "17713". (Medium 1 37C)

Le 17/88 E.Aldová. Stool "18205". (Medium 1 37C)

Serovar 07

Le 4/73 E.Aldová. Urine "17047". (Medium 1 37C)

Le 8/74 C.Richard. Pus from leg "M 312 74". (Medium 1 37C)

Le 9/74 C.Richard. Urine "2374". (Medium 1 37C)

Serovar 08

Le 10/74 C.Richard, "1772". (Medium 1 37C)

Serovar 09

Le 12/74 C.Richard. Urine "M 327/74". (Medium 1 37C)

Le 18/88 E.Aldová. *Rattus norvegicus* "18331". (Medium 1 37C)Citrobacter freundii

Be 110/66

(Braak) Werkman and Gillen

J.Sedlák - P.Fredericq, University of

Liege, Belgium, "CA 31 A". Producer of colicin A. (Medium 1 37C)

Serovar 1:1

5218 Be 1/50 J.Sedlák, LFH KU - M.W.Wright, CDC<sub>2</sub>, "Na 1A". (Medium 1 37C)

Serovar 1:8,9

Be 2/50 M.W.Wright, "A1a 20". (Medium 1 37C) Serovar 2:3

Be 3/50 M.W.Wright, "Na 23". (Medium 1 37C) Serovar 2:4

5219 Be 4/50 M.W.Wright, "Na 4". (Medium 1 37C) Serovar 2:7

Be 5/50 M.W.Wright, "Md 10". (Medium 1 37C)

Serovar 2:11

5221 Be 6/50 M.W.Wright, "Ind 6 A". (Medium 1 37C)

Serovar 3:2,3

Be 7/50 M.W.Wright, "Ma 2C". (Medium 1 37C)

Serovar 3:3,5  
Be 8/50 M.W.Wright, "Na 12". (Medium 1 37C)

Serovar 3:6,5  
5220 Be 9/50 M.W.Wright, "Na 11". (Medium 1 37C)

Serovar 3:12  
Be 10/50 M.W.Wright, "Mich 5". (Medium 1 37C)

Serovar 4:13  
Be 11/50 M.W.Wright, "Mich 1". (Medium 1 37C)

Serovar 4:10  
Be 12/50 M.W.Wright, "Conn 2780". (Medium 1 37C)

Serovar 4:14  
Be 13/50 M.W.Wright, "Md6"..(Medium 1 37C)

Serovar 5:6,9  
Be 14/50 M.W.Wright, "Md 2". (Medium 1 37C)

Serovar 6:15  
Be 15/50 M.W.Wright, "Mich 10". (Medium 1 37C)

Serovar 6:16  
Be 16/50 M.W.Wright, "Mich 11". (Medium 1 37C)

Serovar 1a,1b,1c:1,2  
5848 Be 33/57 P.R.Edwards,CDC<sub>1</sub>. (Medium 1 37C)

Serovar 2a,1b:5,6  
Be 34/57 P.R.Edwards. (Medium 1 37C)

Serovar 2a,1b:21,22  
Be 107/59 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:4,5  
Be 35/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a, 3b,1c:7,(8),10  
Be 36/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:8  
Be 37/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:8,9  
Be 38/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a, 3b,1c:(9),13,14  
Be 39/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a, 3b,1c:14,15,16  
Be 40/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:(13),17  
Be 41/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:21,22  
5222 Be 42/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:21,23

Be 43/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:21,24

5231 Be 44/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a, 3b,1c:(21),25,27

5223 Be 45/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a, 3b,1c:(9),29,30

Be 46/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:32,33

5224 Be 47/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:39

Be 48/57 P.R.Edwards. (Medium 1 37C)

Serovar 3a,3b,1c:47

Be 49/57 P.R.Edwards. (Medium 1 37C)

Serovar 4a,4b:(13),18,19

Be 50/57 P.R.Edwards. (Medium 1 37C)

Serovar 4a,4b:19,20

Be 51/57 P.R.Edwards. (Medium 1 37C)

Serovar 4a,4b:44,45

Be 52/57 P.R.Edwards. (Medium 1 37C)

Serovar 4a,4b:(9),29,31

5254 Be 104/59 P.R.Edwards. (Medium 1 37C)

Serovar 4a,4b:44,46

Be 53/57 P.R.Edwards. (Medium 1 37C)

Serovar 5a,5b,4b:53,54

Be 54/57 P.R.Edwards. (Medium 1 37C)

Serovar 5a,5b,4b:73:vi

5849 Be 55/57 P.R.Edwards. (Medium 1 37C)

Serovar 5a,5b,4b:63

5232 Be 56/57 P.R.Edwards. (Medium 1 37C)

Serovar 5a,5b,4b:-

Be 57/57 P.R.Edwards. (Medium 1 37C)

Serovar 6,4b,5b:72

Be 58/57 P.R.Edwards. (Medium 1 37C)

Serovar 7,3b,1c:68

Be 59/57 P.R.Edwards. (Medium 1 37C)

Serovar 8a,1c:53,55

Be 60/57 P.R.Edwards. (Medium 1 37C)

Serovar 8a,1c:67

5233 Be 61/57 P.R.Edwards. (Medium 1 37C)

Serovar 8a,1c:13,15

Be 123/75 G.Huntley,CDC1.(Medium 1 37C)

Serovar 8a,8b:8,12

Be 62/57 P.R.Edwards. (Medium 1 37C)

Serovar 8a,8b:(21),25,26

Be 63/57 P.R.Edwards. (Medium 1 37C)

Serovar 8a,8b:35,37

Be 64/57 P.R.Edwards. (Medium 1 37C)

Serovar Ba,8c:35,37  
     8e 106/59      P.R.Edwards. (Medium 1 37C)  
 Serovar 9a,9b:48  
 5850    Be 65/57      P.R.Edwards. (Medium 1 37C)  
 Serovar 9a,9b:2,3  
     Be 122/75      G.Huntley. (Medium 1 37C)  
 Serovar 10a,9b:-  
     8e 67/57      P.R.Edwards. (Medium 1 37C)  
     Be 67a/83      G.K.Morris,000<sub>1</sub>. (Medium 1 37C)  
 Serovar 11:35,(36),38  
     Be 68/57      P.R.Edwards. (Medium 1 37C)  
 Serovar 11:77,78  
     Be 69/57      P.R.Edwards. (Medium 1 37C)  
 Serovar 11:83  
 5236    Be 70/57      P.R.Edwards. (Medium 1 37C)  
 Serovar 12a,12b:57  
     Be 71/57      P.R.Edwards. (Medium 1 37C)  
 Serovar 12a,12c:62  
     Be 72/57      P.R.Edwards. (Medium 1 37C)  
 Serovar 12a,12b:35,36  
     Be 73/57      P.R.Edwards. (Medium 1 37C)  
 Serovar 13:59  
     Be     74/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 13:65  
     Be     75/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 13:66  
 5242    Be     76/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 13:69  
     Be     77/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 14:40,41  
     Be     78/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 14:61  
 5237    Be     79/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 15:32,34  
 Be 105/59      P.R.Edwards. (Medium 1 37C)  
 Serovar 16:58  
     Be     80/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 17:75  
     Be     81/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 18:56  
     Be     82/57    P.R.Edwards, "83". (Medium 1 37C)  
 Serovar 18:56  
     Be 124/75      G.Huntley, "84". (Medium 1 37C)  
 Serovar 19:87  
     Be     83/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 20:41,42,43  
     Be     84/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 21a,21b:60  
 5238    Be     85/57    P.R.Edwards. (Medium 1 37C)  
 Serovar 22:64



5851 Be 86/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 23:52  
 Be 87/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 24:49,51  
 5245 Be 88/57 P.R.Edwards.(Medium 1 37C)  
 Serovar 25:35,(36),38  
 5246 Be 89/68 P.R.Edwards. (Medium 1 37C)  
 Serovar 26:49,50  
 5243 Be 90/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 27:40,41  
 Be 91/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 28,1c:70  
 Be 92/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:8,10,11  
 Be 93/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:74:vi  
 5244 Be 95/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:77,79  
 Be 94/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:77,80  
 Be 108/59 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:77,81  
 5264 Be 109/59 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:82  
 Be 96/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:84  
 5247 Be 97/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:85  
 Be 98/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:86  
 Be 99/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 29:-  
 Be 100/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 30:76  
 5252 Be 101/57 P.R.Edwards. (Medium 1 37C) serovar 30:76  
 Be 121/75 G.Huntley. (Medium 1 37C)  
 Serovar 31:71  
 Be 102/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 32:(23),28  
 5253 Be 103/57 P.R.Edwards. (Medium 1 37C)  
 Serovar 033  
 Be 111/66 F.Orskov, StS, "P 6b" (E.coli 067).(Medium 1 37C)  
 Serovar 034  
 Be 112/66 F.Orskov, "P 11 c" (E.coli 072). (Medium 1 37C)  
 Serovar 035  
 Be 113/66 F.Orskov, "H 310a" (E.coli 094). (Medium 1 37C)  
 Serovar 036  
 Be 114/66 E.van Oye, BNCSS, "Leo 429" (E.coli 0122). (Medium 1 37C)  
 Serovar 037  
 Be 115/66 F.Kauffmann,"2624/36" (E.coli 1). (Medium 1 37C)

## Serovar 038

5269 Be 116/66 E.van Oye, "BR 184/6". (Medium 1 37C)

## Serovar 039

5270 Be 117/66 E.van Oye, "LG 1099". (Medium 1 37C)

## Serovar 040

5271 Be 118/66 B.Lányi, OKI, "Ci 47007". (Medium 1 37C)

## Serovar 041

5852 Be 119/66 B.Lányi, "Ci 47010". (Medium 1 37C)

## Serovar 042

Be 120/66 B.Lányi, "Ci 47012". (Medium 1 37C)

Clostridium bifermentans (Weinberg and Séguin) Bergey et al.

6173 Cl 1/46 SZÚ. (Medium 2 37C, Anaerobic)

Clostridium botulinum (van Ermengem) Bergey et al.

## Type A

6174 Cl 21/52 F.Patočka, ÚLMI KU. (Medium 2 37C, Anaerobic)  
 23/53 Biogena, "1354". (Medium 2 37C, Anaerobic)  
 24/53 Biogena, "Magyar". (Medium 2 37C, Anaerobic)  
 39/55 H.Meisel, PZH, "190". (Medium 2 37C, Anaerobic)  
 40/55 H.Meisel, "218". (Medium 2 37C, Anaerobic)  
 56/64 ÚLMI KU, "Gunnisson". (Medium 2 37C, Anaerobic)

## Subtype Af

6175 Cl 65/77 O.F.Giménez, Facultad de Ciencias Médicas, Mendoza, Argentina, "84-SC 2".  
 Prototype strain. (Medium 2 37C, Anaerobic)

## Type B

6176 Cl 22/52 F.Patočka. (Medium 2 37C, Anaerobic)  
 25/53 Biogena, "1356". (Medium 2 37C, An-aerobic)  
 26/53 Biogena, "Magyar". (Medium 2 37C, Anaerobic)  
 41/55 H.Meisel, "194". (Medium 2 37C, An-aerobic)  
 42/55 H.Meisel, "366". (Medium 2 37C, An-aerobic)  
 6177 Cl 67/80 M.Neubauer, OHS, Havlíčkův Brod. Infantile botulism "35-AN/79".  
 Proteolytic strain. (Medium 2 37C, Anaerobic)

## Type C

6178 Cl 69/84 M.Neubauer. Water reservoir in Věstonice - plankton. (Medium 2 37C,  
 Anaerobic)

## Type E

Cl 61/66 I.Banda, Imuna, Šarišské Michalany, ČSSR - IEM, Omsk. Fish "153".  
 (Medium 2 37C, Anaerobic)

## Type F

6179 Cl 60/66 I.Banda - V.Möller, StS. Paté "470-2901". (Medium 2 37C, Anaerobic)  
 62/66 I.Banda - V.Möller "1505". (Medium 2 37C, Anaerobic)

## Type G

6182 Cl 70/86 ATCC, "33263". Soil. Produces phenylacetic acid and hydroxyphenylacetic

acid. (Medium 2 37C, Anaerobic)

Clostridium difficile (Hall and O'Toole) Prévot

- Cl 71/86 M.Závadová, IKEM. Rabbit "734/84". (Medium 2 37C, Anaerobic)
- 6184 72/86 M.Závadová - W.Heime, Zentralinstitut für Versuchstiere, Hannover, FRG. Toxic strain. (Medium 2 37C, Anaerobic)
- 73/86 M.Se bald, IP, "2". (Medium 2 37C, Anaerobic)
- 6799 75/86 M.Závadová, "5a". Intestinal lesions of a female. Mannitol negative. (Medium 2 37C, Anaerobic)
- 6186 76/86 M.Závadová, "5e". Intestinal lesions of a female. Mannitol positive. (Medium 2 37C, Anaerobic)
- 78/86 M.Závadová. Stool "14d". (Medium 2 37C, Anaerobic)
- 79/86 M.Závadová. Stool "15a". (Medium 2 37C, Anaerobic)

Clostridium histolyticum (Weinberg and Séguin) Bergey et al.

- 6181 Cl 16/49 F.Patočka, ÚLMI KU - M.Weinberg, IP, "W". (Medium 2 37C, Anaerobic)
- 43/55 H.Meisel, PZH, "294". (Medium 2 37C, Anaerobic)
- 44/55 H.Meisel, "370". (Medium 2 37C, Anaerobic)
- 55/62 IP. Producer of clostripain. (Medium 2 37C, Anaerobic)

Clostridium novyi (Migula) Bergey et al.

- 6183 Cl 17/49 F.Patočka, ÚLMI KU (Clostridium oedematiens). Cultured from the intestine of a corpse after natural mummification lasting 250 years; at first non-toxic, after several years cultivation a very toxic bacillus was obtained by selection, "Klatovy". (Medium 2 37C, Anaerobic)
- 47/55 H.Meisel, PZH, "427". (Medium 2 37C, Anaerobic)
- 6196 54/62 NCTC, "277". Gas gangrene. Type A. (Medium 2 37C, Anaerobic)

Clostridium perfringens (Veillon and Zuber) Hauduroy et al.

- 6187 Cl 3/46 SZÚ. (Medium 2, 37C, Anaerobic)
- 7/47 K.Raška, SZÚ, "7684". (Medium 2 37C, Anaerobic)
- 5470 19/52 E.Aldová, ÚEM. Leaves. (Medium 2 37C, Anaerobic)
- 6197 20/52 A.R.Prévot, IP, "F 520". (Medium 2 37C, Anaerobic)
- 5457 27/53 F.Patočka, "349". (Medium 2 37C, Anaerobic)
- 28/53 F.Patočka, "32". (Medium 2 37C, Anaerobic)
- 50/55 PZH, "596". Swine faeces. (Medium 2 37C, Anaerobic)
- 51/55 PZH, "597". (Medium 2 37C, Anaerobic)
- 52/55 PZH. Dried milk "598". (Medium 2 37C, Anaerobic)
- 48/55 H.Meisel, "211". (Medium 2 37C, Anaerobic)
- 6185 49/55 H.Meisel. Fatal case of gas gangrene "267". (Medium 2 37C, Anaerobic)
- 53/58 M.Neubauer, OHS, Havlíčkův Brod. Intestine (enteritis necroticans) "14243". Producer of alpha and kappa toxins. (Medium 2 37C, Anaerobic)
- 63/67 M.Neubauer. Small intestine (gastroenterocolitis peracute) "366 d/1". Producer of alpha and kappa toxins. (Medium 2 37C, Anaerobic)

Type A

- 5467 Cl 68/83 CCTM, "La 2957" - NCTC, "8237" - ATCC, "13124". Production of phospholipase C haemolysins and lethal toxins. Type strain. (Medium 2 37C, Anaerobic)

Type B

- 5458 Cl 33/53 H.Meisel, "270". (Medium 2 37C, Anaerobic)

Type C

- 5460 Cl 57/70 PZH, "234" - OKI, "105003". (Medium 2 37C, Anaerobic)

Type D

- 5459 Cl 35/53 PZH, "368". (Medium 2 37C, Anaerobic)

6188	64/67		M.Neubauer. Sausage "366 D/2". Producer of alpha, weak kappa and epsilon toxins. (Medium 2 37C, Anaerobic)
	Type E		
5461	C1 58/65		PZH, "236". (Medium 2 37C, Anaerobic)
	Type F		
5462	C1 59/65		PZH, "237". (Medium 2 37C, Anaerobic)

Clostridium septicum (Mace) Ford

	C1 4/46		SZÚ. (Medium 2 37C, Anaerobic)
	8/49		F.Patočka, ÚLMI KU - RKI. (Medium 2 37C, Anaerobic)
6189	9/49		F.Patočka. Malignant oedema "Vinohrady". (Medium 2 37C, Anaerobic)
	10/49		F.Patočka. Equine gas gangrene "Pasage". (Medium 2 37C, Anaerobic)
	45/55		H.Meisel, "369". (Medium 2 37C, Anaerobic)
	81/86		M.Závadová, IKEM, "4". (Medium 2 37C, Anaerobic)
	82/87		L.Brezinová, IKEM. Sekret "122/87". (Medium 2 37C, Anaerobic)

Clostridium sordellii (Hall and Scott) Prévot

6192	C1	80/86	M.Závadová, IKEM, "82". (Medium 2 37C, Anaerobic)
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Clostridium sporogenes (Metchnikoff) Bergey et al.

6190	C1	5/46	SZÚ. Media testing. (Medium 2 37C, Anaerobic)
6193	11/49		F.Patočka, ÚLMI KU. Neck necrosis accompanying carcinoma of the larynx
			"Te-Ta". (Medium 2 37C, Anaerobic)
	12/49		F.Patočka - Lemiér, "Paris". (Medium 2 37C, Anaerobic)
	13/49		F.Patočka - M.Weinberg, IP,"W".(Medium 2 37C, Anaerobic)
6191	14/49		F.Patočka - Madsen, StS,"Kodaň". Producer of one component of anti gangrene serum. Media testing. (Medium 2 37C, Anaerobic)
	15/49		F.Patočka. Canned meat "Praha". (Medium 2 37C, Anaerobic)
6194	66/79		ATCC, "19404". Gas gangrene. Sterility testing. (Medium 2 37C, Anaerobic)

Clostridium tetani (Flugge) Bergey et al. C1

<u>6456</u>	6/46		SZÚ. (Medium 2 37C, Anaerobic)
6195	18/50		J.Sedlák, SZÚ. Amputated thumb "5763". (Medium 2 37C, Anaerobic)
	31/65		P.Meislowa, PZH, "Bohumín". (Medium 2 37C, Anaerobic)
	32/65		P.Meislowa,"Tulloch <sub>2</sub> ". (Medium 2 37C, Anaerobic)

Comamonas terrigena (Hugh) Vos

6264	Co1/78		ATCC, "8461". Hay-infusion filtrate.Type strain .(Medium 1 30C)
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"Corynebacterium

			accolens"Neubauer et al.
5705	Th 1/57		M.Neubauer, OHS, Havlíčkův Brod (Thiophilus accolans). Cervix "14167". (Medium 2 37C)
6803	2/59		M.Neubauer. Ulcus serpens corneae "242". (Medium 2 37C)
6804	3/59		M.Neubauer. Nose "18182". (Medium 2 37C)
6805	4/63		B.Vysoká, ÚEM. Nose "5177". (Medium 2 37C)
6806	5/64		M.Neubauer. Nose "16813". (Medium 2 37C)
6807	6/64		M.Neubauer. Larynx "19864/63". (Medium 2 37C)
6808	7/64		M.Neubauer. Ear "166/64". (Medium 2 37C)
5706	8/85		M.Neubauer. Haemoculture (fever) "543". (Medium 2 37C)

Corynebacterium bovis Bergey et al.

5715 Cor 68/77 NCTC, "3224" - ATCC, "7715". Milk. Type strain. (Medium 2 37C)

"Corynebacterium cutis"

5662 Cor 31/66 D.Kalvodová, ÚLMI KU (Corynebacterium hyperacidum). Haemoculture "8".(Medium 2 37C)

Corynebacterium diphtheriae (Kruse) Lehmann and Neumann

5753 Cor 22/62 NCTC, "7910". (Medium 2 37C)

## Type gravis

5750 Dig 3/47 J.Málek, ÚSOL, "14". Toxic strain. (Medium 2 37C)  
 6738 Dig 4/47 J.Málek, "15". Toxic strain. (Medium 2 37C)  
 6739 5/47 J.Málek, "16". Toxic strain. (Medium 2 37C)  
 5289 6/47 J.Málek, "19". Non-toxic strain. (Medium 2 37C)  
 7/47 J.Málek, "39". Non-toxic strain. (Medium 2 37C)  
 5707 8/47 J.Málek, "259". Non-toxic strain. Media testing. (Medium 2 37C)  
 6740 9/47 J.Málek, "260". Toxic strain. (Medium 2 37C)  
 10/48 SZÚ, "6321". Toxic strain. (Medium 2 37C)  
 11/49 SZÚ, "326". Toxic strain. (Medium 2 37C)  
 12/49 J.Málek - StS, "K 3". Toxic strain. (Medium 2 37C)  
 13/50 SZÚ. Toxic strain. (Medium 2 37C)  
 14/56 StS, "1282". Toxic strain. (Medium 2 37C)  
 5708 Dim 20/56 F.Prášilová, Biogena, Praha,"CN 2000". Toxic strain. (Medium 2 37C)  
 22/58 Biogena, "CDWS". Toxic strain. (Medium 2 37C)

## Type 1

6809 15/56 PZH - NCTC, "7282". Toxic strain. (Medium 2 37C)

## Type 2

6810 16/56 NCTC, "7285". Toxic strain. (Medium 2 37C)

## Type 3

6811 17/56 NCTC, "7289". Toxic strain. (Medium 2 37C)

## Type 4

6812 18/56 NCTC, "7359". Toxic strain. (Medium 2 37C)

## Type 5

6813 19/56 NCTC, "7290". Toxic strain. (Medium 2 37C)

## Type intermedius

5712 Dii 1/47 J.Málek, "34". weakly toxic strain. (Medium 2 37C)  
 2/47 J.Málek, "35". Non-toxic strain. (Medium 2 37C)  
 3/47 J.Málek, "36". Non-toxic strain. (Medium 2 37C)  
 5709 4/56 StS, "295". Non-toxic strain. (Medium 2 37C)

## Type mitis

Dim 1/43 ÚSOL,"PW 8". Non-toxic strain. (Medium 2 37C)  
 2/47 J.Málek, "33". Non-toxic strain. (Medium 2 37C)  
 5710 3/47 J.Málek, "42". Toxic strain. (Medium 2 37C)  
 5751 4/47 J.Málek, "44". Non-toxic strain. (Medium 2 37C)  
 5/47 J.Málek, "46". Non-toxic strain. (Medium 2 37C)  
 5704 6/47 J.Málek, "43". Toxic strain. (Medium 2 37C)  
 7/56 StS, "103". Non-toxic st-rain. (Medium 2 37C)  
 Dim 8/57 L.Mlčochová, Biogena - R.J.Wilson, "PW 8 Toronto". Toxic strain.  
 (Medium 2 37C)

Variety unclassified

6814	Cor 51/74	NCTC, "380". (Medium 2 37C)
6815	52/74	NCTC, "854". (Medium 2 37C)
6816	53/74	NCTC, "4305". (Medium 2 37C)
6817	54/74	NCTC, "3530". (Medium 2 37C)

"Corynebacterium enzymicum"

5701	Cor 29/65	ATCC, "8155". Cocroach ( <i>Blattella germanica</i> ). (Medium 2 37C)
5703	30/65	ATCC, "8156". Cocroach ( <i>Blattella germanica</i> ). (Medium 2 37C)

Corynebacterium glutamicum (Kinoshita et al.) Abe et al.

5616	Cor 88/87	ATCC, "21608". Production of L-methionine. (Medium 1 30C)
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Corynebacterium kutscheri (Migula) Bergey et al.

5702	Cor 35/70	NCTC, "949", ATCC, "6944" ( <i>Corynebacterium murium</i> ). Mouce. (Medium 4 37C)
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Corynebacterium minutissimum Collins and Jones

6818	Cor 67/77	ATCC, "23348". Trunk of adult female. Type strain. (Medium 2 37C)
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Corynebacterium pseudodiphtheriticum Lehmann and Neumann

5690	Psdi 2/49	SZÚ. Throat. (Medium 2 37C)
5691	5/78	ATCC, "10700", NCTC, "11136". Type strain. (Medium 2 37C)

Corynebacterium pseudotuberculosis (Buchanan) Ebersson

5713	Cor 14/61	E.O.King. Abscess in horse "KC 474". (Medium 2 37C)
5213	16/61	E.O.King. Ulcerative lymphangitis in horse "KC 472". (Medium 2 37C)
5692	17/62	NCTC, "3450", ATCC, "19410" ( <i>Corynebacterium ovis</i> ). Infected gland of sheep. Type strain. (Medium 2 37C)
5714	18/62	NCTC, "4655". Horse. (Medium 2 37C)
5696	39/70	ATCC, "809". Sheep lung. (Medium 2 37C)
6819	99/89	B.skalka, vŠv. Sheep lung. (Medium 2 37C)
6820	100/89	B.skalka. Skin lesions in a goat (Medium 2 37C)

Corynebacterium renale (Migula) Ernst

5754	Cor 34/70	NCTC, "7448", ATCC, "19412". Cow. Type strain. (Medium 2 37C)
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Corynebacterium sp.

6800	Psdi 1/49	SZÚ ( <i>Corynebacterium pseudodiphtheriticum</i> ). Vagina. Media testing. (Medium 2 37C)
5711	Cor 62/76	ATCC, "9730" ( <i>Corynebacterium pyogenes</i> ). Bovine. (Medium 2 37C)
5757	89/87	J.Rakovský, OHS, Topolčany (CDC group I-1). Decubitus (fracture) "2155". (Medium 2 37C)
5758	90/87	J.Rakovský. Skin lesion (fracture) "4462". (Medium 2 37C)
5700	Cor 101/8	J.Rakovský. (CDC group D-2). Haemoculture (sepsis) "HK 502". (Medium 2 37C)
5759	102/89	O.Brandenburová, KHS, Košice ( <i>Corynebacterium</i> group D2). Geni(pemphigus)"10462/89". Multiresistant to common antibiotics, sensitive to vancomycin and chinolones. It may take part in formation of urinary calculi(triphosphates). (Medium 2 37C)

Corynebacterium striatum (Chester) Ebersson

5695	Cor 24/63	NCTC, "764", ATCC, "6940" ( <i>Corynebacterium flavidum</i> ). Type strain. (Medium 2 37C)
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Corynebacterium ulcerans (Gilbert and Stewart)

5694	Cor 23/62	R.Saxholm, Statens Institut for Folkehelse, Oslo, Norway, "B48/55". (Medium 2 37C)
5755	38/70	ATCC, "9015". Throat. (Medium 2 37C)
5653	41/74	NCTC, "7907". Human tonsillitis. (Medium 2 37C)
6821	42/74	NCTC, "7908". Throat. (Medium 2 37C)
6822	43/74	NCTC, "7909". Human in 1947. (Medium 2 37C)
6823	44/74	NCTC, "8638". (Medium 2 37C)
6824	45/74	NCTC, "8639". (Medium 2 37C)
6825	46/74	NCTC, "8640". (Medium 2 37C)
6826	47/74	NCTC, "8660". Case of diphtheria. (Medium 2 37C)
6827	48/74	NCTC, "8665". (Medium 2 37C)
6828	49/74	NCTC, "8666". (Medium 2 37C)
6829	50/74	NCTC, "8667". (Medium 2 37C)

Corynebacterium xerosis Lehmann and Neumann

	Cor 32/70	M.Kocur, CCM, "1729". (Medium 2 37C)
5697	71/78	ATCC, "373". Ear discharge of child. Type strain. (Medium 2 37C)

Coxiella burnetti (Derrick) Philip

Henzerling Isol. 1945 Robbins, Italy. From patient  
 Nine Mile Davis and Cox. Isol. 1938 from Dermacentor andersoni

Edwardsiella hoshinae Grimont et al.

6325	Bth	4/82	P.A.D.Grimont, IP, "2.66". (Medium 1 37C)
6326	5/82		P.A.D.Grimont, "12.67", ATCC, "35052" (Medium 1 37C)

Edwardsiella ictaluri Hawke et al.

	Bth	6/83	CCM, "3678". Isolated from Ictalurus genus fish with intestinal septicemia. (Medium-1 37C)
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Edwardsiella tarda Ewing and McWhorter

5248	Bth	1/64	J.Rakovský, OHS, Topolčany - E. Aldová, UEM. Human faeces "8023". (Medium 1 37C)
5249	2/64		J.Rakovský, E.Aldová. Human faeces "8340". (Medium 1 37C)
5250	3/64		J.Rakovský, E.Aldová. Human faeces "8517". (Medium 1 37C) 8th
5251	7/87		E.Aldová, IHE. Human faeces "27456". (Medium 1 37C)

Eikenella corrodens (Eiken) Jackson and Goodman

5765	Ei	1/88	L.Brezinová, IKEM. Dental calculus "148". (Medium 4,6 37C, Anaerobic)
5760	2/88		L.Brezinová. Haemoculture, endocarditis "778". (Medium 4,6 37C, Anaerobic)
5410	3/88		L.Brezinová. Bacteremia following tooth extraction "780". (Medium 4,6 37C, Anaerobic)
	4/88		L.Brezinová. Bacteremia following tooth extraction "788". (Medium 4,6 37C, Anaerobic)
	5/88		L.Brezinová. Pus, paradental abscess "186". (Medium 4,6 37C, Anaerobic)

Enterobacter aerogenes Hormaeche and Edwards

5592 Ae 10/86 DSM, "30053", ATCC, "13048", NCTC, "10006" (*Aerobacter aerogenes*). Sputum. Type strain. (Medium 1 37C)

5724 11/86 E.Aldová, J.Strauss, IHE. Blood "24544". (Medium 1 37C)

12/86 E.Aldová. Stool "24660". (Medium 1 37C)

13/86 E.Aldová. Stool "24529". (Medium 1 37C)

14/86 E.Aldová. Urine "24652". (Medium 1 37C)

15/86 E.Aldová. Stool "25462". (Medium 1 37C)

*Enterobacter agglomerans* (Beijerinck) Ewing and Fife M 269 E.Aldová, IHE. Urine "18164". Biogroup 2 (anaerogenic). (Medium 1 30C)

270 E.Aldová. Drug "18302". Biogroup G2 (aerogenic). (Medium 1 30C)

5725 Eb 18/83 E.Falsen, CCUG, "EF-539" - ATCC, "27155". Knee laceration. Biogroup 1. Neotype. (Medium 1 37C)

5726 22/83 ATCC, "27981". Sputum. Biogroup 4. (Medium 1 37C)

5727 23/83 ATCC, "27985". Biogroup 2. (Medium 1 37C)

5728 24/83 ATCC, "27994". Biogroup 5. (Medium 1 37C)

5689 25/83 ATCC, "27991". Eye drainage. Biogroup 6. (Medium 1 30C)

5729 26/83 ATCC, "27989". Sputum. Biogroup 7. (Medium 1 30C)

*Enterobacter amnigenus* Izard et al.

5730 Eb 14/83 CCM, "3430". (Medium 1 37C)

*Enterobacter asburiae* Brenner et al.

5731 Eb 32/87 E.Aldová, IHE - KHS, Hradec Králové. Throat "26516". (Medium 1 37C)

*Enterobacter cloacae* (Jordan) Hormaeche and Edwards) strains lactose + retarded:

Ae 5/49 SZÚ, "4464" (*Enterobacter aerogenes*). (Medium 1 37C)

Serovar 01:1,2 (Provisional scheme recommended by Sedlák and Matějovská)

5732 ae 3/53 J.Sedlák, D.Matějovská, UEM, "1602". (Medium 1 37C)

Serovar 02:2,1

ae 7/53 J.Sedlák, D.Matějovská, "37239". (Medium 1 37C)

Serovar 03:3

ae 14/53 J.Sedlák, D.Matějovská, "6229". (Medium 1 37C)

Serovar 04:4

Ae 6/53 J.Sedlák, D.Matějovská, "5181". (Medium 1 37C)

Serovar 05:5,6

ae 11/53 J.Sedlák, O.Matějovská, "1156". (Medium 1 37C)

Serovar 06:6,5

ae 12/53 J.Sedlák, D.Matějovská, "1097". (Medium 1 37C)

Serovar 07:7

Ae 9/53 J.Sedlák, D.Matějovská, "5894". (Medium 1 37C)

Serovar 08:8

ae 15/53 J.Sedlák, D.Matějovská, "6256". (Medium 1 37C)

strains lactose + a t o n c e

ae 17/54 ÚEM, "93". (Medium 1 37C)

19/54 ÚEM, "758". (Medium 1 37C)

21/54 E.Aldová, ÚEM. Stool "114" (Korean People's Democratic Republic). (Medium 1 37C)

22/54 J.Seeman, ÚEM, "887". (Medium 1 37C)

5733 23/67 F.Vyskočil, ČSAV - ATCC, "961". Creamery waste. (Medium 1 37C)

5734 24/83 E.Falsen, CCUG, "6323" - ATCC, "13047" NCTC, "10005". Spinal fluid. Type strain. (Medium 1 37C)

Ae 1/43 SZÚ, "27498" (*Enterobacter aerogenes*). (Medium 1 37C)



Enterobacter dissolvens (Rosen) Brenner et al.

5735 Eb 30/87 E.Aldová, IHE, "27495" - H.Muytjens, University of Nijmegen, The Netherlands, "CDC 8122-86"  
(Erwina dissolvens). (Medium 1 37C)

Enterobacter gergoviae Brenner et al.

Eb 5/82 P.A.D.Grimont, IP, "2-78". (Medium 1 37C)  
5736 19/83 NCTC, "11434", ATCC, "33028". Urinary tract. Type strain. (Medium 1 37C)  
5737 31/87 E.Aldová, IHE - KHS České Budějovice. Urine "25121". (Medium 1 37C)  
35/87 E.Aldová - KHS, České Budějovice. Throat "27827". (Medium 1 37C)

Enterobacter intermedium Izard et al.

5698 Eb 15/83 CCM, "3433". (Medium 1 37C)

Enterobacter nimipressuralis (Carter) Brenner et al.

5738 Eb 29/87 E.Aldová, IHE, "27494" - H.Muytjens, University of Nijmegen, The Netherlands, "CDC 8118-86"  
(Erwina nimipressuralis). (Medium 1 37C)

Enterobacter sakazakii Farmer et al.

6830 Eb 2/81 E.Aldová, IHE. Faeces "16064". (Medium 1 37C)  
6831 3/81 E.Aldová. Swab from bed "16644". (Medium 1 37C)  
5739 20/83 ATCC, "29544". Child's throat. Type strain. (Medium 1 37C)  
5740 Eb 33/87 E.Aldová - KHS, České Budějovice. Sputum "26208". (Medium 1 37C)  
34/87 E.Aldová - KHS, České Budějovice. Faeces "25569". (Medium 1 37C)

Enterobacter taylorae Farmer et al.

5741 Eb 36/87 E.Aldová, IHE - KHS, České Budějovice. Milk "Feminar 27639". (Medium 1 37C)

Enterococcus avium Collins et al. Groups D and Q (Lancefield's scheme)

5779 Str 28/58 PHLS, "E 6844", ATCC, "14025", NCTC, "9938". Preparation of group Q antiserum. Type strain. (Medium 2 37C)

Enterococcus casseliflavus Collins et al. Group D (Lancefield's scheme)

5778 Str 19/89 ATCC, "25788". Type strain. (Medium 2 37C)

Enterococcus durans Collins et al. Group D (Lancefield's scheme)

Str 20/58 PHLS, "980". (Medium 2 37C)  
5777 8/63 PHLS - NCTC, "8307", ATCC, "19432". Preparation of group D antiserum. strain. (Medium 2 37C)

Enterococcus faecalis (Andrewes and Horder) Schleifer and Kilpper-Balz

## Group O (Lancefield's scheme)

Str 106/50 IC, "F 78". (Medium 2 37C)  
5769 4/63 PHLS - NCTC, "370". Media testing. (Medium 2 37C)  
5770 5/63 PHLS - NCTC, "8175", ATCC, "27285" (*Streptococcus faecalis* subsp. *liquefaciens*). (Medium 2 37C)  
5771 6/63 PHLS - NCTC, "8176", ATCC, "27286" (*Streptococcus faecalis* subsp. *zymogenes*). (Medium 2 37C)  
5008 1/86 ATCC, "33186". Antibiotic assay. (Medium 2 37C)  
5766 3/86 HNCMB, "80171" - ATCC, "19433". Type strain. (Medium 2 37C)  
5483 17/88 ATCC, "29212". Antibiotic assay. (Medium 2 37C)

Enterococcus faecium (Orla-Jensen) Schleifer and Kilpper-Balz

## Group D (Lancefield's scheme)

5651 Str 6/58 FDA, "M 19", ATCC, "10541". Antibiotic assay. Media testing. (Medium 2 37C)  
 5773 7/63 PHLS - NCTC, "7379". (Medium 2 37C)  
 7/70 M.Roguinski, IP, Monnaie, France, "H 639". (Medium 2 37C)

Enterococcus gallinarum (Bridge and Sneath) Collins et al.

## Group D (Lancefield's scheme)

5772 Str 1/89 CCM, "4054". (Medium 2 37C)

Enterococcus hirae Farrow and Collins

## Group D (Lancefield's scheme)

5767 Str 16/66 CCM,"2424" - ATCC, "8043". Type strain. (Medium 2 37C)

Enterococcus malodoratus Collins et al. Group D (Lancefield's scheme)

5774 Str 21/89 ATCC, "43197". Type strain.(Medium 2 37C)

Enterococcus mundtii Collins et al.

## Group D (Lancefield's scheme)

5775 Str 2/89 CCM, "4058". (Medium 2 37C)

Enterococcus sp.

## Group D

Str 4/49 RU, "39457 Manhattan". (Medium 2 37C)  
 84/50 RU, "C 1". (Medium 2 37C)  
 85/50 RU, "C 3". (Medium 2 37C)  
 86/50 RU, "D 76". (Medium 2 37C)  
 2/54 PZH,"D<sub>3</sub>". (Medium 2 37C)  
 1/62 PHLS, "N 37". Serotype 1. (Medium 2 37C)  
 2/62 PHLS, "S 161". Serotype 3. (Medium 2 37C)  
 3/62 PHLS, "GB 122". Serotype 4. (Medium 2 37C)  
 4/62 PHLS, "N 83". Serotype 5. (Medium 2 37C)  
 5/62 PHLS, "B 65". Serotype 6. (Medium 2 37C)  
 6/62 PHLS, "IAS". Serotype 8. (Medium 2 37C)  
 7/62 PHLS, "N 97". Serotype 9. (Medium 2 37C)  
 8/62 PHLS, "D 36". Serotype 19. (Medium 2 37C)

Erwinia herbicola (Lohnis) Dye

6434 Ae 9/79 T.G.Pridham, NRRL. Fruit-tree root "B-1678", ATCC, "15552". Type strain by monotypy of *Aerobacter levanicum*.(Medium 1 30C)

Erwinia sp. (Bacterium typhi flavum) Dresel and stickl

6333 Tf1/39 SZÚ. Clinical material "13617". (Medium 1 37C)  
 2/39 SZÚ. Clinical material "141334".(Medium 1 37C)  
 3/39 SZÚ. Clinical material "16752".(Medium 1 37C)  
 4/39 SZÚ.Clinical material "19713". (Medium 1 37C)  
 5/39 SZÚ. Clinical material "20341". (Medium 1 37C)  
 6/39 SZÚ. Clinical material "21373". (Medium 1 37C)  
 7/39 SZÚ. Clinical material "21698". (Medium 1 37C)  
 8/39 SZÚ. Clinical material "22020". (Medium 1 37C)

9/39 SZÚ. Clinical material "22135". (Medium 1 37C)  
 10/39 SZÚ. Clinical material "22470". (Medium 1 37C)  
 11/39 SZÚ. Clinical material "22472". (Medium 1 37C)  
 Tf 12/39 SZÚ. Clinical material "23534". (Medium 1 37C)  
 13/39 SZÚ. Clinical material "27057". (Medium 1 37C)  
 14/47 SZÚ. Clinical material "1336". (Medium 1 37C)  
 6334 15/47 J.Sedlák, SZÚ. Blood "42391". (Medium 1 37C)  
 6435 16/47 J.Sedlák. Blood "42738". (Medium 1 37C)

Erwinia sp.

Erw 1/53 J.Sedlák, ÚEM, "2098". (Medium 1 37C)

Erysipelothrix rhusiopathiae (Migula) Buchanan

6327 Ery 1/33 SZÚ, "s 24". (Medium 1 37C)  
 2/49 P.Jeřábek, SVÚ, Karlovy Vary. Porcine kidney "A 1902". (Medium 1 37C)  
 3/49 P. Jeřábek. Porcine kidney "A 1922". (Medium 1 37C)  
 6291 4/49 P. Jeřábek. Porcine kidney "A 1957". (Medium 1 37C)  
 6292 5/55 J.Seeman, ÚEM. Pheasant s lungs "157". (Medium 1 37C)  
 6/55 J.Seeman. Titmouse, e liver "907". (Medium 1 37C)  
 7/56 J.Seeman. Titmouse spleen "1886". (Medium 1 37C)

Escherichia coli (Migula) Castellani and Chalmers 0 - strain collection

## Serotype 01

5009 Ec 1/49 B.Hofman, PZH. (Medium 1 37C)

## Serotype 02

Ec 2/49 B.Hofman. (Medium 1 37C)

## Serotype 03

5010 Ec 3/49 B.Hofman. (Medium 1 37C)

## Serotype 04

Ec 4/49 B.Hofman. (Medium 1 37C)

## Serotype 05

Ec 5/49 B.Hofman. (Medium 1 37C)

## Serotype 06

Ec 6/49 B.Hofman. (Medium 1 37C)

## Serotype 07

Ec 7/49 B.Hofman. (Medium 1 37C)

## Serotype 08

Ec 8/49 B.Hofman. (Medium 1 37C)

## Serotype 09

Ec 9/49 B.Hofman. (Medium 1 37C)

## Serotype 010

Ec 10/49 B.Hofman. (Medium 1 37C)

## Serotype 011

Ec 11/49 B.Hofman. (Medium 1 37C)

## Serotype 012

5011 Ec 12/49 B.Hofman. (Medium 1 37C)

## Serotype 013

Ec 13/49 B.Hofman. (Medium 1 37C)

## Serotype 014

Ec 14/49 B.Hofman. (Medium 1 37C)

## Serotype 015

Ec 15/49 B.Hofman. (Medium 1 37C)

Serotype 016  
 Ec 16/49 B.Hofman. (Medium 1 37C)

Serotype 017  
 Ec 17/49 B.Hofman. (Medium 1 37C)

Serotype 018  
 Ec 18/49 B.Hofman. (Medium 1 37C)

Serotype 019  
 Ec 19/49 B.Hofman. (Medium 1 37C)

Serotype 020  
 Ec 20/49 B.Hofman. (Medium 1 37C)

Serotype 021  
 Ec 21/49 B.Hofman. (Medium 1 37C)

Serotype 022  
 Ec 22/49 B.Hofman. (Medium 1 37C)

Serotype 023  
 Ec 23/49 B.Hofman. (Medium 1 37C)

Serotype 024  
 Ec 24/49 B.Hofman. (Medium 1 37C)

Serotype 025  
 Ec 25/49 B.Hofman. (Medium 1 37C)

Serotype 018a,c:B2:H7  
 Ec 30/56 PZH - StS, "3223-54". (Medium 1 37C)

Serotype 018a,c:821:H7  
 Ec 39/57 RKI. (Medium 1 37C)

Serotype 025:11L:H6  
 Ec 31/56 PZH - StS, "F 103". (Medium 1 37C)  
 41/57 RKI. (Medium 1 37C)

Serotype 025:B  
 Ec 40/57 RKI. (Medium 1 37C)

Serotype 026:86  
 Ec 26/52 StS, "F 41 Hall". (Medium 1 37C)  
 42/57 RKI. (Medium 1 37C)

Serotype 026:B6:H11  
 Ec 27/52 StS, "F 42 McQuinn". (Medium 1 37C)

Serotype 028a,c:K73  
 6832 M207 A.Trifonova, NIEM (serotype Ca 792, Cefalu; Shigella lom, Manolov). Faeces "2300", keratoconjunctivitis-negative. (Medium 1 37C)

5871 210 V.Pokorná, E.Aldová, K.Lázničková, UEM (serotype Ca 792, Cefalu; Shigella lom, Manolov). Diarrhoea "11141", keratoconjunctivitis-positive. (Medium 1 37C)

Serotype 044:74L:H12  
 Ec 32/56 PZH - StS, "F17". (Medium 1 37C)  
 44/57 RKI. (Medium 1 37C)

Serotype 055:B5  
 Ec 28/51 K.Rauss, EMI. (Medium 1 37C)

Serotype 086:B7  
 Ec 33/56 PZH - StS, "E 990". (Medium 1 37C)  
 47/57 RKI. (Medium 1 37C)

Serotype 0111:84  
 Ec 29/51 K .Rauss. (Medium 1 37C)  
 49/57 RKI. (Medium 1 37C)

## Serotype 0119:B14:H6

Ec 34/56 PZH - StS, "537-52". (Medium 1 37C)  
 52/57 RKI. (Medium 1 37C)

## Serotype 0125:815:H19

Ec 35/56 PZH - StS, "Canioni". (Medium 1 37C)  
 53/57 RKI, "Canioni". (Medium 1 37C)

## Serotype 0126:B16:H2

Ec 36/56 PZH - StS, "E 611". (Medium 1 37C)  
 54/57 RKI. (Medium 1 37C)

## Serotype 0127:88

Ec 55/57 RKI. (Medium 1 37C)

## Serotype 0127a:B8

Ec 56/57 RKI. (Medium 1 37C)  
 37/56 PZH - StS, "4932-52". (Medium 1 37C)

## Serotype 0128:B12:H2

Ec 38/56 PZH - StS, "Cigleris". (Medium 1 37C)  
 57/57 RKI. (Medium 1 37C)

## Serotype 01:1L:7

Eck 58/59 J.Sedlák, LFH KU - F.Kauffmann, StS, "U 5/41". (Medium 1 37C)

## Serotype 02:1L:4

Eck 59/59 F.Kauffmann, "U 9/41". (Medium 1 37C)

## Serotype 03:2a,bL:2

6833 Eck 60/59 F.Kauffmann, "U 14/41". (Medium 1 37C)

## Serotype 04:3L:5

Eck 61/59 F.Kauffmann, "U 4/41". (Medium 1 37C)

## Serotype 05:4L:4

6834 Eck 62/59 F.Kauffmann, "U 1/41". Media testing. (Medium 1 37C)

## Serotype 06:2a,cL:1

6835 Eck 63/59 F.Kauffmann, "Bi7458/41".(medium 37C)

## Serotype 07:1L:-

6836 Eck 64/59 F.Kauffmann,"Bi 7509/41". (Medium 37C)

## Serotype 08:8L:4

6837 Eck 65/59 F.Kauffmann, "G 3404/41". (Medium 37C)

## Serotype 09:9L:12

6838 Eck 66/59 F.Kauffmann, "Bi 316/42". (Medium 37C)

## Serotype 010:5L:4

6839 Eck 67/59 F.Kauffmann, "Bi 8337/41". (Medium 1 37C)

## Serotype 011:10L:10

6840 Eck 68/59 F.Kauffmann, "Bi 623/42". (Medium 37C)

## Serotype 012:5L:-

5032 Eck 69/59 F.Kauffmann, "Bi 626/42". (Medium 37C)

## Serotype 013:11L:11

6841 Eck 70/59 F.Kauffmann, "Su 4321/41". (Medium 1 37C)

## Serotype 014:7L:-

Eck 71/59 F.Kauffmann, "Su 4411/41". (Medium 1 37C)

## Serotype 015:14L:4

6842 Eck 72/59 F.Kauffmann, "F 7902/41". (Medium 37C)

## Serotype 016:1L:-

6843 Eck 73/59 F.Kauffmann, "F 11119/41". (Medium 1 37C)

## Serotype 017:16L:18

6844 Eck 74/59 F.Kauffmann, "K 12a". (Medium 1 37  
 Serotype 018a,b:768:14  
 Eck 75/59 F.Kauffmann, "F 10018/41". (Medium 1 37C)  
 Serotype 019a,b:-:7  
 6845 Eck 76/59 F.Kauffmann, "F 8188/41". (Medium 37C)  
 Serotype 020:17L:-  
 6846 Eck 77/59 F.Kauffmann, "P 7a". (Medium 1 37C)  
 Serotype 021:20E:-  
 Eck 78/59 F.Kauffmann, "E 19a". (Medium 1 37C)  
 Serotype 022:13E:1  
 Eck 79/59 F.Kauffmann, "E 14a". (Medium 1 37C)  
 Serotype 023:18E:15  
 Eck 80/59 F.Kauffmann, "E 39a". (Medium 1 37C)  
 Serotype 024:-:-  
 Eck 81/59 F.Kauffmann, "E 41a". (Medium 1 37C)  
 Serotype 025:19E:12  
 Eck 82/59 F.Kauffmann, "E 47a". (Medium 1 37C)  
 Serotype 026:608:-  
 5873 Eck 83/59 F.Kauffmann, "H 311b". (Medium 1 37C)  
 Serotype 027:-:-  
 6847 Eck 84/59 F.Kauffmann, "F 9884/41". (Medium 1 37C)  
 Serotype 028:-:-  
 Eck 85/59 F.Kauffmann, "K 1a". (Medium 1 37C)  
 Serotype 029:-:10  
 Eck 86/59 F.Kauffmann, "Su 4338/41". (Medium 1 37C)  
 Serotype 030:-:-  
 6848 Eck 87/59 F.Kauffmann, "P 2a". (Medium 1 37C)  
 Serotype 032:-:19  
 6849 Eck 89/59 F.Kauffmann, "P 6a". (Medium 1 37C)  
 Serotype 033:-:-  
 Eck 90/59 F.Kauffmann, "E 40". (Medium 1 37C)  
 Serotype 034:-:10  
 Eck 91/59 F.Kauffmann, "H 304". (Medium 1 37C)  
 Serotype 035:-:10  
 Eck 92/59 F.Kauffmann, "E 77a". (Medium 1 37C)  
 Serotype 036:-:9  
 Eck 93/59 F.Kauffmann, "H 502a". (Medium 1 37C)  
 Serotype 037:-:10  
 Eck 94/59 F.Kauffmann, "H 510c". (Medium 1 37C)  
 Serotype 038:-:26  
 6850 Eck 95/59 F.Kauffmann, "F 11621/41". (Medium 1 37C)  
 Serotype 039:-:-  
 Eck 96/59 F.Kauffmann, "H 7". (Medium 1 37C)  
 Serotype 040:-:4  
 Eck 97/59 F.Kauffmann, "H 316". (Medium 1 37C)  
 Serotype 041:-:40  
 Eck 98/59 F.Kauffmann, "H 710 C". (Medium 1 37C)  
 Serotype 042:-:37  
 6851 Eck 99/59 F.Kauffmann, "Pila". (Medium 1 37C)  
 Serotype 043:-:2

ECK 100/59 F.Kauffmann, "Bi 7455/41". (Medium 1 37C)  
Serotype 044:74E:18  
ECK 101/59 F.Kauffmann, "H 702c". (Medium 1 37C)  
Serotype 045:-:10  
ECK 102/59 F.Kauffmann, "H 61". (Medium 1 37C)  
Serotype 046:-:16  
ECK 103/59 F.Kauffmann, "P 1c". (Medium 1 37C)  
Serotype 047:-:-  
ECK 104/59 F.Kauffmann, "lacking". (Medium 1 37C)  
Serotype 048:-:-  
ECK 105/59 F.Kauffmann, "U 8/41". (Medium 1 37C)  
Serotype 049:-:12  
ECK 106/59 F.Kauffmann, "U 12/41". (Medium 1 37C)  
Serotype 050:-:4  
ECK 107/59 F.Kauffmann, "U 18/41". (Medium 1 37C)  
Serotype 051:-:24  
ECK 108/59 F.Kauffmann, "U 19/41". (Medium 1 37C)  
Serotype 052:-:10  
ECK 109/59 F.Kauffmann, "U 20/41". (Medium 1 37C)  
Serotype 053:-:3  
ECK 110/59 F.Kauffmann, "Bi 7327/41". (Medium 1 37C)  
Serotype 054:-:2  
ECK 111/59 F.Kauffmann, "Su 3972/41". (Medium 1 37C)  
Serotype 055:59B:-  
5874 ECK 112/59 F.Kauffmann, "Su 3912/41". Media testing. (Medium 1 37C)  
Serotype 056:-:-  
ECK 113/59 F.Kauffmann, "Su 3684/41". (Medium 1 37C)  
Serotype 057:-:-  
6852 ECK 114/59 F.Kauffmann, "F 8198/41". (Medium 1 37C)  
Serotype 058:-:27  
ECK 115/59 F.Kauffmann, "F 8962/41". (Medium 1 37C)  
Serotype 059:-:19  
ECK 116/59 F.Kauffmann, "F 9095/41". (Medium 1 37C)  
Serotype 060:-:33  
6853 ECK 117/59 F.Kauffmann, "F 10167a/41". (Medium 1 37C)  
Serotype 061:-:19  
ECK 118/59 F.Kauffmann, " 10167b/41". (Medium 1 37C)  
Serotype 062:-:30  
ECK 119/59 F.Kauffmann, "F 10524/41". (Medium 1 37C)  
Serotype 063:-:-  
ECK 120/59 F.Kauffmann, "F 10598/41". (Medium 1 37C)  
Serotype 064:-:-  
6854 ECK 121/59 F.Kauffmann, "K 6b". (Medium 1 37C)  
Serotype 065:-:-  
6855 ECK 122/59 F.Kauffmann, "K 11a". (Medium 1 37C)  
Serotype 066:-:25  
ECK 123/59 F.Kauffmann, "P 1a". (Medium 1 37C)  
Serotype 068:-:4  
6856 ECK 125/59 F.Kauffmann, "P 7d". (Medium 1 37C)  
Serotype 069:-:38

Eck 126/59 F.Kauffmann,"P9b". (Medium 1 37C)  
 Serotype 070:--:42  
 6857 Eck 127/59 F.Kauffmann, "P 9c". (Medium 1 37C)  
 Serotype 071:--:12  
 5188 Eck 128/59 F.Kauffmann, "P 10a". (Medium 1 37C)  
 Serotype 073:--:31  
 Eck 130/59 F.Kauffmann, "P 12a". (Medium 1 37C)  
 Serotype 074:--:39  
 7304 Eck 131/59 F.Kauffmann, "E 3a". (Medium 1 37C)  
 Serotype 075:--:5  
 Eck 132/59 F.Kauffmann, "E 3b". (Medium 1 37C)  
 Serotype 076:--:8  
 7305 Eck 133/59 F.Kauffmann, "E 5d". (Medium 1 37C)  
 Serotype 077:--:-  
 7306 Eck 134/59 F.Kauffmann, "E 10". (Medium 1 37C)  
 Serotype 078:80B:-  
 Eck 135/59 F.Kauffmann, "E 38". (Medium 1 37C)  
 Serotype 079:--:40  
 Eck 136/59 F.Kauffmann,"E 49". (Medium 1 37C)  
 Serotype 080:--:26  
 Eck 137/59 F.Kauffmann, "E 71". (Medium 1 37C)  
 Serotype 081:--:-  
 7307 Eck 138/59 F.Kauffmann, "H 5". (Medium 1 37C)  
 Serotype 082:--:-  
 Eck 139/59 F.Kauffmann,"H 14". (Medium 1 37C)  
 Serotype 083:--:31  
 7308 Eck 140/59 F.Kauffmann, "H 17a". (Medium 1 37C)  
 Serotype 084:--:21  
 Eck 141/59 F.Kauffmann, "H 19". (Medium 1 37C)  
 Serotype 085:--:1  
 5012 Eck 142/59 F.Kauffmann, "H 23". (Medium 1 37C)  
 Serotype 086:--:25  
 Eck 143/59 F.Kauffmann,"N 35". (Medium 1 37C)  
 Serotype 087:--: 12  
 5031 Eck 144/59 F.Kauffmann, "H 40". (Medium 1 37C)  
 Serotype 088:--:25  
 7309 Eck 145/59 F.Kauffmann, "H 53". (Medium 1 37C)  
 Serotype 089:--:16  
 Eck 146/59 F.Kauffmann, "H 68". (Medium 1 37C)  
 Serotype 090:--:-  
 Eck 147/59 F.Kauffmann, "H 77". (Medium 1 37C)  
 Serotype 091:--:-  
 5004 Eck 148/66 F.Kauffmann, "H 307b". (Medium 1 37C)  
 Serotype 092:--:33  
 Eck 149/59 F.Kauffmann, "H 308a". (Medium 1 37C)  
 Serotype 093:--:-  
 Eck 150/59 F.Kauffmann, "H 308b". (Medium 1 37C)  
 Serotype 095:--:33  
 Eck 152/59 F.Kauffmann, "H 311a". (Medium 1 37C)  
 Serotype 096:--:19



ECK 153/59 F.Kauffmann, "H 319". (Medium 1 37C)  
 Serotype 097:--  
 ECK 154/59 F.Kauffmann, "H 320a". (Medium 1 37C)  
 Serotype 098:--:8  
 ECK 155/66 F.Kauffmann, "H 501d". (Medium 1 37C)  
 Serotype 099:--:33  
 ECK 156/59 F.Kauffmann, "H 504c". (Medium1 37C)  
 Serotype 0100:--:2  
 ECK 157/66 F.Kauffmann, "H 509a". (Medium1 37C)  
 Serotype 0101:--:33  
 ECK 158/59 F.Kauffmann, "H 510a". (MediumI 37C)  
 Serotype 0102:--:8  
 ECK 159/59 F.Kauffmann, "H 511". (Medium 1 37C)  
 Serotype 0103:--:8  
 7310 ECK 160/59 F.Kauffmann, "H 515b". (Medium] 37C)  
 Serotype 0104:--:12  
 ECK 161/59 F.Kauffmann, "H 519". (Medium 1 37C)  
 Serotype 0105:--:8  
 ECK 162/59 F.Kauffmann, "H 520b". (Medium] 37C)  
 Serotype 0106:--:33  
 ECK 163/59 F.Kauffmann, "H 521a". (Medium] 37C)  
 Serotype 0107:--:27  
 7311 ECK 164/59 F.Kauffmann, "H 705". (Medium 1 37C)  
 Serotype 0108:--:10  
 ECK 165/59 F.Kauffmann, "H 708b". (Medium: 37C)  
 Serotype 0109:--:19  
 ECK 166/59 F.Kauffmann, "H 709c". (Medium] 37C)  
 Serotype 0110:--:39  
 ECK 167/59 F.Kauffmann, "H 711c". (Medium: 37C)  
 Serotype 0111:58B:-  
 5650 ECK 168/59 F.Kauffmann, "stoke W". Media testing. (Medium 1 37C)  
 Serotype 0112a,b:k88:18  
 5875 ECK 169/68 F.Orskov, StS, "1411/50". (Med: 1 37C)  
 Serotype 0112a,c:k66:-  
 5879 ECK 254/68 F.Orskov, "Guanabara H 194 de A 1948". (Medium 1 37C)  
 Serotype 0113:75B:21  
 ECK 170/63 F.Kauffmann, "6182/50". (Mediur 37C)  
 Serotype 0114:--:32  
 7312 ECK 171/59 F.Kauffmann, "w 26". (Medium 1 37C)  
 Serotype 0115:--:18  
 ECK 172/63 F.Kauffmann, "w 27". (Medium 1 37C)  
 Serotype 0116:--:10  
 7313 ECK 173/59 F.Kauffmann, "w 28". (Medium 1 37C)  
 Serotype 0117:--:4  
 ECK 174/59 F.Kauffmann, "w 30".(Medium 1 3  
 Serotype 0118:--:-  
 ECK 175/59 F.Kauffmann, "w 31". (Medium 1  
 Serotype 0119:698:27  
 ECK 176/59 F.Kauffmann, "w 34". (Medium 1  
 Serotype 0120:--:6

7314 Eck 177/59 F.Kauffmann, "w 35". (Medium 1 :  
 Serotype 0121:-:10  
 Eck "178/6 F.Orskov, "w 39". (Medium 1 37C)  
 Serotype 0123:-:16  
 Eck 180/59 F.Kauffmann, "w 43". (Medium 1 37C)  
 Serotype 0124:728:32  
 5883 Eck 181/59 F.Kauffmann, "Ewing 227". Keratoconjunctivitis-negative. (Medium 1 37C)  
 Serotype 0125a,b:708:19  
 Eck 182/59 F.Kauffmann,"Canioni". (Medium 1 37C)  
 Serotype 0125a,c:k70:6  
 Eck 255/68 F.Orskov, "CDC 2129/54". (Medium 1 37C)  
 Serotype 0126:718:2  
 Eck 183/59 F.Kauffmann, "E 611". (Medium 1 37C)  
 Serotype 0127:638:-  
 Eck 184/59 F.Kauffmann, "Ewing 4932-52". (Medium 1 37C)  
 Serotype 0127a,c:k65:4  
 Eck 256/68 F.Orskov, "2160/53". (Medium 1 37C)  
 Serotype 0128:678:2  
 Eck 185/59 F.Kauffmann, "Cigleris". (Medium 1 37C)  
 Serotype 0128a,c:k67:12  
 Eck 257/68 F.Orskov, "CDC 4464/54". (Medium 1 37C)  
 Serotype 0129:-:11  
 7315 Eck 186/59 F.Kauffmann,"S eliger 178-15-4". (Medium 1 37C)  
 Serotype 0130:-:9  
 Eck 187/59 F.Kauffmann, "Ewing 4866-53". (Medium 1 37C)  
 Serotype 0131:-:26  
 Eck 188/59 F.Kauffmann, "S 239". (Medium 1 37C)  
 Serotype 0132:-:28  
 Eck 189/59 F.Kauffmann, "N87". (Medium 1 37C)  
 Serotype 0133:-:29  
 Eck 190/59 F.Kauffmann, "N282". (Medium 1 37C)  
 Serotype 0134:-:35  
 Eck 191/59 F.Kauffmann, "4370-53". (Medium 1 37C)  
 Serotype 0135:-:-  
 7316 Eck 192/59 F.Kauffmann, "Coli Pecs". (Medium 1 37C)  
 Serotype 0136:78B:-  
 5870 Eck 193/59 F.Kauffmann, "1111-55". (Medium 1 37C)  
 Serotype 0137:79L:41  
 Eck 194/59 F.Kauffmann,"RVC 1787". (Medium 1 37C)  
 Serotype 0138:81B:-  
 7318 Eck 195/63 F.Kauffmann, "CDC 62/57". (Medium 1 37C)  
 Serotype 0139:828:1  
 7317 Eck 196/59 F.Kauffmann, "CDC 63/57". (Medium 1 37C)  
 Serotype 0140:-:43  
 Eck 197/59 F.Kauffmann, "CDC 149-57". (Medium 1 37C)  
 Serotype 0141:858:4  
 Eck 198/59 F.Kauffmann, "RVC 2907". (Medium 1 37C)  
 Serotype 0142:868:6  
 7319 Eck 199/65 F.Kauffmann, "C771". (Medium 1 37C)  
 Serotype 0143:kx1:-

5876 ECK248/65 B.Lányi, OKI - F.Kauffmann, "4608-58".Keratoconjunctivitis-positive.  
(Medium 1 37C)  
Serotype 0144:-:-  
5877 ECK 249/65 8.Lányi - F.Kauffmann,"1624-56". Keratoconjunctivitis-positive. (Medium 1  
37 C)  
Serotype 0145:-:-  
ECK 250/65 8.Lányi - F.Kauffmann, "1385/3". (Medium 1 37C)  
Serotype 0146:-:21  
ECK 251/65 B.Lányi F.Kauffmann,"CDC 2950/54". (Medium 1 37C)  
Serotype 0147:K89(B), K88(L):19  
ECK 252/67 F.Orskov, "G 1253". (Medium 1 37C)  
Serotype 0148:H28  
ECK 258/75 F.Orskov, "C831/41". (Medium 1 37C)  
Serotype 0149:K91:H10  
ECK 259/75 F.Orskov, "CS 1483-D 616". (Medium 1 37C)  
Serotype 0150:K93:H6  
ECK 260/75 F.Orskov, "1935". (Medium 1 37C)  
Serotype 0151:H10  
5878 ECK 261/75 F.Orskov, "880-67". (Medium 1 37C)  
Serotype 0152:K.  
ECK 262/75 F.Orskov, "1184-68. (Medium 1 37C)  
5872 M232 L.R.Trabulsi, Faculdade de Medicine, Sao Paulo, Brazil,  
"10/67" (serotype 185/T, Trabulsi). Keratoconjunctivitis-positive. (Medium 1 37C)  
Serotype 0153:H7  
ECK 263/75 F.Orskov, "14097". (Medium 1 37C)  
Serotype 0154:K94:H4  
ECK 264/75 F.Orskov, "E 1541-68". (Medium 1 37C)  
Serotype 0155:H9  
ECK 265/75 F.Orskov, "E 1529-68". (Medium 1 37C)  
Serotype 0156:H47  
ECK 266/75 F.Orskov, "E 1585-68". (Medium 1 37C)  
Serotype 0157:K88a,c:H19  
ECK 267/75 F.Orskov, "A 2". (Medium 1 37C)  
Serotype 0158:H23  
ECK 268/75 F.Orskov, "E 1020-72". (Medium 1 37C)  
Serotype 0159:H20  
ECK 269/75 F.Orskov, "E 2476-72". (Medium 1 37C)  
Serotype 0160:H34  
ECK 270/75 F.Orskov, "E 110-69". (Medium 1 37C)  
Serotype 0161:H54  
ECK 271/75 F.Orskov, "E 223-69". (Medium 1 37C)  
Serotype 0162:H10  
ECK 272/75 F.Orskov, "10 B 1/1". (Medium 1 37C)  
Serotype 0163:H19  
ECK 273/75 F. Orskov,"SN 3 B/1". (Medium 1 37C)  
Serotype 0164:K?  
6858 M97 A.Trifonova, NIEM (serotype 147; Shigella sofia, Manolov). Faeces,  
keratoconjunctivitis-negative.(Medium 1 37C)  
5869 225 K.P.Carpenter, PHLS, "145-46" (serotype 147; Shigella sofia, Manolov).  
Keratoconjunctivitis-negative. (Medium 1 37C)  
226 K.P.Carpenter, "12/55" (serotype 147;Shigella sofia, Manolov). (Medium 1 37C)

Serotype 0165:H-  
 ECK 280/8 5 F.Orskov, "E 78634". (Medium 1 37C)

Serotype 0166:H4  
 ECK 281/85 F .Orskov, "3866-54(0x8)". (Medium 1 37C)

Serotype 0167:H5  
 ECK 282/85 F.Orskov, "E 10702". (Medium 1 37C)

Serotype 0168:H16  
 ECK 283/85 F.Orskov, "E 10710". (Medium 1 37C)

Serotype 0169:H8  
 ECK 284/85 F.Orskov, "1792-54 (0x2)". (Medium 1 37C)

Serotype 0170:H1  
 ECK 285/85 F.Orskov, "745-54 (0x 1)". (Medium I 37C)

H - strain collection

Serotype 02:K2:H1  
 ECK 200/59 F.Kauffmann,"Su 1242". (Medium 1 37C)

Serotype 043:-:H2  
 ECK 201/59 F .Kauffmann, "Si 7455/41". (Medium 1 37C)

Serotype 053:-:H3  
 ECK 202/59 F.Kauffmann, "Si 7327/41". (Medium 1 37C)

Serotype 02:K1:H4  
 ECK 203/59 F.Kauffmann, "U 9/41". (Medium 1 37C)

Serotype 04:K3:H5  
 ECK 204/59 F.Kauffmann, "U 4/41". (Medium 1 37C)

Serotype 02:K1:H6  
 ECK 205/59 F.Kauffmann, "A 20a". (Medium 1 37C)

Serotype 01:K1:H7  
 6859 ECK 206/59 F.Kauffmann, "U 5/41, ATCC, "11775, NCTC,"9001". Neotype. (Medium 1 37C)

Serotype 02:-:H8  
 ECK 207/59 F.Kauffmann, "Ap. 320c". (Medium 1 37C)

Serotype 08:258:H9  
 ECK 208/59 F.Kauffmann,"Bi 7575/41". (Medium 1 37C)

Serotype 011:10L:H10  
 6860 ECK 209/59 F.Kauffmann, "Bi 623/42". (Medium 1 37C)

Serotype 013:11L:H11  
 6861 ECK 210/59 F.Kauffmann,"Su 4321/41". (Medium 1 37C)

Serotype 09:9L:H12  
 6862 ECK 211/59 F.Kauffmann,"Bi 316/42'.'. (Medium 1 37C)

Serotype 018:-:H14  
 ECK 213/59 F.Kauffmann, "F 10018/41". (Medium 1 37C)

Serotype 023:18L:H15  
 ECK 214/59 F.Kauffmann, "E 39a". (Medium 1 37C)

Serotype 06:15L:H16  
 ECK 215/59 F.Kauffmann, "F 8316/41". (Medium 1 37C)

Serotype 015:-:H17  
 ECK 216/59 F.Kauffmann, "P 12b". (Medium 1 37C)

Serotype 017:16L:H18  
 6863 ECK 217/59 F .Kauffmann, "K 12a". (Medium 1 37C)

Serotype 09:-:H19  
 ECK 218/59 F .Kauffmann, "A 18d". (Medium 1 37C)

Serotype 08:-:H20  
     Eck 219/59      F.Kauffmann, "H 330b". (Medium 1 37C)

Serotype 08:-:H21  
     Eck 220/59      F.Kauffmann, "U 11a/44". (Medium 1 37C)

Serotype 045:-:H23  
     Eck 222/59      F.Kauffmann, "K 42". (Medium 1 37C)

Serotype 051:-:H24  
     Eck 223/59      F.Kauffmann, "K 72". (Medium 1 37C)

Serotype 013:-:H25  
     Eck 224/59      F.Kauffmann, "N 234". (Medium 1 37C)

Serotype 0131:-:H26  
     Eck 225/59      F .Kauffmann, "S 239". (Medium 1 37C)

Serotype 015:-:H27  
     Eck 226/59      F.Kauffmann, "K 50". (Medium 1 37C)

Serotype 0132:-:H28  
     Eck 2 27/59      F.Kauffmann, "N 87". (Medium 1 37C)

Serotype 019:-:H29  
     Eck 228/59      F.Kauffmann, "N 282". (Medium 1 37C)

Serotype 038:-:H30  
     Eck 229/59      F.Kauffmann, "N 157". (Medium 1 37C)

Serotype 03:-:H31  
     Eck 230/59      F.Kauffmann, "K 15". (Medium 1 37C)

Serotype 0114:-:H32  
     Eck 231/59      F.Kauffmann, "K 10". (Medium 1 37C)

Serotype 011:-:H33  
     Eck 232/59      F .Kauffmann, "K 18". (Medium 1 37C)

Serotype 086:K61:H34  
     Eck 233/59      F.Kauffmann, "F 48/51". (Medium 1 37C)

Serotype 0134:-:H35  
     Eck 234/59      F.Kauffmann, "4370/53". (Medium 1 37C)

Serotype 086a,b:K64:H36  
     Eck 235/59      F.Kauffmann, "5017/53". (Medium 1 37C)

Serotype            042:-:H37

6864   Eck 236/59      F.Kauffmann,"Pila". (Medium 1 37C)

Serotype 069:-:H38  
     Eck 237/59      F.Kauffmann, "P 9b". (Medium 1 37C)

Serotype 074:-:H39  
     Eck 238/59      F.Kauffmann, "K 3a". (Medium 1 37C)

Serotype 079:-:H40  
     Eck 239/59      F.Kauffmann, "E 49". (Medium 1 37C)

Serotype 0137:79L:H41  
     Eck 240/59      F.Kauffmann,"RVC 1787". (Medium 1 37C)

Serotype 070:-:H42  
 6865   Eck 241/5"9      F.Kauffmann, "P 9c". (Medium 1 37C)

Serotype 0140:-:H43  
     Eck 242/59      F.Kauffmann, "149/51". (Medium 1 37C)

Serotype 03:-:H44  
     Eck 243/59      F.Kauffmann, "781/55". (Medium 1 37C)

Serotype 052a,b:- :H45  
     Eck 244/59      F.Kauffmann, "4106/54". (Medium 1 37C)

## Serotype 026a,c:60B:H46

Eck 245/59 F.Kauffmann, "5306/56". (Medium 1 37C)

## Serotype 066:-:H47

Eck 246/59 F.Kauffmann, "1755-58". (Medium 1 37C)

## Serotype 016:-:H48

Eck 247/67 F.prskov,"P 4". (Medium 1 37C)

## Serotype 06:k13:H49

Eck 253/67 F.grskov,"2147/59". (Medium 1 37C)

## Serotype 08,60:H51

Eck 274/75 F.prskov,"C 218-70". (Medium 1 37C)

## Serotype 011:H52

Eck 275/75 F.Orskov, "C 2187-69". (Medium 1 37C)

## Serotype 0148a:H53

Eck 276/75 F.Orskov,"E 480-68". (Medium 1 37C)

## Serotype 0161:H54

Eck 277/75 F.Orskov, "E 223-69". (Medium 1 37C)

## Serotype 0139:H56

Eck 279/75 F.Orskov,"SN 3 N/1". (Medium 1 37C)

## Provisional serotype 2000.53

M229 K.P.Carpenter, PHLS, "991/66" (*Shigella* sp.).(Medium 1 37C)Special purpose strains

6866 Ec 300/60 Glaxo, "10/5". Assay of neomycin. (Medium 1 37C)

5199 301/60 Glaxo, "M 200". Assay of vitamin B<sub>12</sub> by the cup-plate method.  
(Medium 1 37C)

6236 302/62 ATCC, "9637". Assay of colistin. (Medium 1 37C)

6867 303/62 ATCC, "11105". Derived from ATCC 9637. Not recommended for vitamin B<sub>12</sub> assay. (Medium 1 37C)

Ec 304/63 W.W.Wright, Division of Antibiotics, Washington, USA, "2". (Medium 1 37C)

6237 305/63 W.W.Wright, "5". Assay of colistin.  
Media testing. (Medium 1 37C)

306/63 W.W.Wright, "8". (Medium 1 37C)

6251 307/63 W.W.Wright, "16", ATCC, "128". Used in WHO International Study to standardize  
chlortetracycline sensitivity discs. Media testing. (Medium 1 37C)

6238 320/66 ATCC, "15746". Streptomycin-sensitive. (Medium 1 37C)

6240 321/68 ATCC, "12408". Requires L-lysine. (Medium 1 37C)

6241 323/69 ATCC, "11303". S.E.Luria strain B. Readily produces colonial mutants. Phage host.  
(Medium 1 37C)

5550 324/70 NCTC,"8196". Disinfectant testing. (Medium 1 37C)

6242 325/71 R.Lodinová, Ústav pro péči o matku  
a dítě (Institute for Care of Mother and Child), Praha, "ČSAV 083". Standard patent  
strain for colonizing neonates. Serovar 083:k24:H31. (Medium 1 37C)6243 326/71 NCTC, "10418", ATCC, "10536". Antibiotic assay and sensitivities. Media testing.  
(Medium 1 37C)

5276 327/73 ATCC, "25922". Assay of antibiotics. (Medium 1 37C)

6868 328/73 UPJOHNS, Co, Antwerpen, Belgium, "VC-527". Turbidimetric streptomycin titration.(Medium  
1 37C)6869 329/74 V.Chaloupecký, IHE, "CV 602". *E.coli* K-12F thr-1 leu-6 thi-1 lacY1  
(lambda) lambda<sup>s</sup> phi80r glnV fhuA21 hsdR gyrA, plasmid recipient strain. (Medium 1 37C)6870 330/74 V.Chaloupecký,"CV 601". *E.coli* K-12 F thr-1 leu-6 thi-1 lacY1 (lambda)

- lambda<sup>s</sup> phi80<sup>r</sup> glnV fhuA21 hsdR rpoB, plasmid recipient strain. (Medium 1 37C)
- 331/77 H.W.Boyer, School of Medicine, San Francisco, USA, "RY 13"; endo I  
exo III<sup>+</sup>. (Medium 1 37C)
- 6871 332/77 H.W.Boyer, "RR1", leu pro thi hsr<sub>k</sub> bsm<sub>k</sub> lacY str<sub>1</sub>, carrying the plasmid pBR 322. (Medium  
1 37C)
- 6872 333/77 J.Škoda, ČSAV. E.coli B. Resistance to 6-azauridine. (Medium 1 37C)
- 6873 334/77 V.Chaloupecký - W.Hayes, Medical Research Council, Edinburgh, Scot-  
land. E.coli K-12 "HfrH" thi . (Medium 1 37C)
- 6874 335/77 V.Chaloupecký - H.Hashimoto, Gunma University, Maebashi, Japan. E.coli  
K-12 "JE 189" F met-. (Medium 1 37C)
- 6875 Ec 336/77 V.Chaloupecký- 8.J.Bachmann, Yale University, New Haven, USA. E.coli K-12  
"C600" F thr-1 leu-6 thi-1 lacY1 (lambda) lambda<sup>s</sup> phi80<sup>r</sup> glnV (supE44)  
fhuA21. (Medium 1 37C)
- 6244 377/79 ATCC, "11229". Disinfectant testing. (Medium 1 37C)
- 5880 378/80 R.Bláha,KHS, Praha - C.L.Gyles, Department of Veterinary Microbiology and  
Immunology, University of Guelph, Canada. Swine "P-155". Producer of thermolabile and  
thermostable enterotoxins. Serotype 0149:K91, K88ac. (Medium 1 37C)
- 5881 379/80 R.Bláha - B.Sack, The Johns Hopkins School of Medicine, Baltimore, USA.  
Man "PAK 3". Producer of thermolabile enterotoxin. Serotype 08:H9.(Medium 1 37C)
- 5882 380/80 R.Bláha - B.Sack. Man "Vemen  
I 439". Producer of thermolabile enterotoxin. Serotype 0114:H. (Medium 1  
37C)
- 408/81 J.Šterzl, A.Lanc, ČSAV. Suckingpig "S 16". For bactericidy purposes.  
(Medium 1 37C)
- 68 421/81 V.Horák, KM LF UK - B.M.Males and B.A.Stocker, University School of  
Medicine, Stanford, USA, "198 BM". E.coli K12ROW  
given ColE5-099 (and Te,Su-resistance) from S.sonnei 099BM. E5-immune  
indicator.(Medium 1 37C)
- 6877 423/81 V.Horák - B.M.Males and B.A. Stocker,"246 BM". E.coli CL137 of  
Stocker-Fredericq s strain 12-317, which is P112-12 made  
colicinogenic by contact with strain K317 inferred by as to have  
acquired ColE7-317 and also an E2 immunity plasmid, E2 and E7-immune  
indicator. (Medium 1 37C)
- 5005 427/82 ATCC, "13706". E.coli C. Phage phiX174 host. (Medium 1 37C)
- 450/82 M.Talafantová, ČSAV Gnotobiotic Laboratory, Nový Hrádek - H.W. Smith,  
Poultry Research Station Huntingdon, Houghton, England,  
"P 12". Digestive tract of enterotoxin, kills germ-free piglets. Serotype  
08:K40,B8ab:H9.(Medium 1 37C)
- 451/82 M.Talafantová - H.W.Smith, "P12". Digestive tract of sucking-pig. Serotype  
08:K40,88ab:H9. (Medium 1 37C)
- 452/82 M.Talafantová - H.W.Smith, "P12". Digestive tract of sucking pig,  
producer of enterotoxin, kills germ-free piglets. Serotype 08:K40:H9.  
(Medium 1 37C)
- 453/82 M.Talafantová - H.W.Smith, "P12". Digestive tract of sucking-pig.  
Serotype 08:K40:H9. (Medium 1 37C)
- 6878 Ec 462/85 J.Šmarda - A.P.Pugsley, IP, "BZB 1030"."W3110" mutant btuB, re  
sistant to bacteriophage BF23 and colicins E1-E9,A. (Medium 1 37C)
- 6879 463/85 J.Šmarda - A.P.Pugsley, "PAP 308". "W3110" mutant gyrA ompF (in porin  
OmpF), resistant to colicins A,N, tolerant to colicins E2-E8,K,L, and not  
sensitive also to colicins S4,X. (Medium 1 37C)
- 6880 464/85 J.Šmarda - A.P.Pugsley, "PAP 138b". "W3110" mutant gyrA ompR::Tn 5, re

- sistant to colicins A,N, tolerant to colicins E2-E8,K,L and not sensitive also to colicins S4,X. (ompR is a gene that codes for positive regulator factor of ompF and ompC transcription.) (Medium 1 37C)
- 6881 465/86 J.Šmarda - R.E.Glass, University Department of Biochemistry, Nottingham, England, "KLR 320" (btuB+). Parent strain for mutants Ec 466/86-  
Ec 470/86. (Medium 1 37C)
- 6882 466/86 J.Šmarda - R.E.Glass, "AF 12500". Mutant of strain Ec 465/86 in gene btuB coding for receptor protein of vitamin B<sub>12</sub>, bacteriophage BF 23 and group E colicins; his29 (am) metE proB trpA-605 (am) lacI3 lacZ-118 (oc) gyrA rpsL recA:: Tn 10 btuB (non). (Medium 1 370-
- 6883 467/86 J.Šmarda - R.E.Glass, "AF 18500". Mutant of strain Ec 465/86 in gene btuB coding receptor protein of vitamin B<sub>12</sub>, bacteriophage BF23 and group E colicins; his 29 (am) metE proB trpA-605 (am) lacI3 lacZ-118 (oc) gyrA rpsL recA:: Tn 10 btuB (non). (Medium 1 37C)
- 6884 468/86 J.Šmarda - R.E.Glass, "AF 19500". Mutant of strain Ec 465/86 in gene btuB coding receptor protein of vitamin B<sub>12</sub>, bacteriophage BF23 and group E colicins; his29 (am) metE proB trpA-605 (am) lacI3 lacZ-118 (oc) gyrA rpsL recA:: Tn 10 btuB (non). (Medium 1 37CT
- 6885 469/86 J.Šmarda - R.E.Glass, "AF 24500". Mutant of strain Ec 465/86 in gene btuB coding receptor protein of vitamin B<sub>12</sub>, bacteriophage BF23 and group E colicins; his29 (am) metE erob trpA-605 (am) lacY3 lacZ-118 (oc) gyrA rpsL recA:: Tn 10, btuB (non). (Medium 1 37C)
- 6886 470/86 J.Šmarda - R.E.Glass, "AF 26500". Mutant of strain Ec 465/86 in gene btuB coding receptor protein of vitamin B<sub>12</sub>, bacteriophage BF23 and group E colicins; his29 (am) metE erob trpA-605 (am) lacY3 lacZ-118 (oc) gyrA rpsL recA:: Tn 10 btuB (non). (Medium 1 37C)
- 6887 471/86 J.Šmarda - P.Reeves, Department of Microbiology, The University of Sydney, Australia, "AB 1133 (=P 109)". Parent strain for mutant
- 6888 Ec 472/86, thr-1 leu-6 proA2 lacY1 supE44 (?) galK2 his-4 rpsL31 xy15 mt11 arpE3 thi-1 ara-14 F- lambda-. Medium 1 37C  
colicin A-CA 31, resistant to colicin E1, sensitive to colicins E2 and E3.  
(Medium 1 37C)
- 6889 473/86 J.Šmarda - P.Reeves, "W 1485F \_ (=P 1745)". Parent strain SU F-  
lambda for mutant Ec 474/86. (Medium 1 37C)
- 6890 474/86 J.Šmarda - P.Reeves, "W 1485 (=P 2731)",  
F toI C210::Tn 10-48, Tc resistant (at concentration 10,ug/ml); other markers as the strain Ec472/86. (Medium 1 37C)
- 475/87 H.Steinriick, Klinikum Berlin-Buch, "RL 337/84". Pathogenic strain. Serotype 0151:H10, biotype 1. (Medium 1 37 C)
- 476/87 H.Steinriick, "RL 463/84". Pathogenic strain. Serotype 0151:H10, biotype 2. (Medium 1 37C)
- 477/87 H.Steinriick, "RL 453/84". Pathogenic strain. Serotype 0151:H11, biotype 5. (Medium 1 37C)
- 478/87 F.Orskov, StS "4288-84". EHEC. Serotype 0157:H7. (Medium 1 37C)
- 481/87 E.Aldová, IHE - OHS, Pardubice. Urine "23037", H<sub>2</sub>S-positive. (Medium 1 37C)
- 485/88 M.F. Toledo, Escola Paulista de Medi- Sao Paulo, Brazil. Stool  
"4C II-76". EIEC. Serotype 029:K: :H-. (Medium 1 37C)
- 6891 486/88 J.Šmarda - B.Oudega, Department of Microbiology, Amsterdam, The Netherlands, "F 176". Strain with receptor for cloacin OF 13 and aerobactin. (Medium 1 37C)
- 6892 552/88 J.Šmarda - R.E.Glass, "ND 1190". Mutant of strain "RH100", his (am) trp (am) metE lacI lacZ-118--(-j-c) rpsL btuB::Tn 10 Deletion in gene btuB coding for receptor protein of vitamin B<sub>12</sub>, bacteriophage BF23 and group E colins). (Medium 1 37 C)



6893	553/88	J.Šmarda - R.E.Glass,"N8 1508", btuB mutant of strain "RH100", his (am) <u>trp</u> (am) <u>metE lacI lacZ-118c</u> <u>rpsL</u> , <u>btuB::Tn 10</u> . Deletion in gene btuB coding for receptor protein of vitamin B <sub>12</sub> , bacteriophage BF23 and group E colicins). (Medium 1 37C)
6894	554/88	V.Horák,KM LF UK. K-13, HfrR transconjugant col J <sub>s</sub> <sup>+</sup> nal <sup>r</sup> , for identification of enteroinvasive E.coli strains (EIEC). (Medium 1 37C)
6245	555/89	ATCC,"13002". Production of diaminopimelic acid. (Medium 1 37C)
6246	556/89	ATCC,"23631". Requires thiamine and lysine. Produces derepressed levels of certain aspartate-family biosynthetic enzymes.(Medium 1 37C)
6895	557/89	J.Šmarda - J.Reich, ČSAV Biophysics Institute, Brno - E.Calef,International Laboratory for Genetics and Biophysics, Napoli, Italia; E.coli K-12 (lambda) <sup>+</sup> HfrH, thi ; producer of phage lambda wt. Medium 1 37C)
6896	558/89	J.Šmarda - J.Reich - J.Hubáče_k, ČSAV; E.coli K-12 "C 600" lambda:K-12

F thr leu<sup>-</sup> thi<sup>-</sup> lacY<sup>-</sup> I : m<sub>1</sub>:

lambda sensitive; indicator strain for bacteriophage lambda. (Medium 1 37C)

6897	Ec 559/89	J.Šmarda. Indicator strain E.coli B for classic E.coli T-bacteriophages (T1-T7). (Medium 1 37C)
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#### Producers of Fredericq type colicins

Producer of colicin: B

Ec 358/79	J.Šmarda, KBLF UJEP - P.Fredericq, University of Liège, Belgium, "R 2-1". Resistant to colicin V, to phage lambda. (Medium 1 37C)
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Producer of colicin: C

5649	Ec 315/66	P.Fredericq, "CA 57". (Medium 1 37C)
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Producer of colicins: D,X

Ec 310/66	P.Fredericq, "CA 23". (Medium 1 37C)
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Producer of colicin: E1

Ec 382/80	J.Šmarda - P.Fredericq, "K 53". (Medium 1 37C)
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Producer of colicins: E1,V

Ec 385/80	J.Šmarda - P.Fredericq, "K 30". (Medium 1 37C)
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Producer of colicin: E2

Ec 312/66	P.Fredericq, "CA 42". (Medium 1 37C)
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Producer of colicin: E3

Ec 359/79	J.Šmarda - P.Fredericq, "185 M4". Resistant to phage BF 23. (Medium 1 37C)
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Producer of colicins: E3,Ib

Ec 311/66	P.Fredericq, "CA38". (Medium 1 37C)
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Producer of colicin: G

Ec 313/66	P.Fredericq, "CA 46". (Medium 1 37C)
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Producer of colicin: H

Ec 316/66	P.Fredericq, "CA58". (Medium 1 37C)
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Producer of colicin: Ia

Ec 314/66	P.Fredericq, "CA 53". (Medium 1 37C)
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Producer of colicin: Ib

Ec 360/79	J.Šmarda - P.Fredericq,"MR 2". (Medium 1 37C)
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Producer of colicins: Ia,Ib

Ec 383/80	J.Šmarda - P.Fredericq - G.G.Meynell, LI, "34a2/I", <u>pro his str</u>
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ColI<sup>R</sup> UV<sup>R</sup> (lambda)+. (Medium 1 37C)

Producer of colicins: Ia,Ib

Ec 384/80 J.Šmarda - P.Fredericq -G.G.Meynell,  
"35a4/I", pro his str' Coll' UV' (lambda)+. (Medium 1 37C)

Producer of colicins: E1,Ia

Ec 317/66 P.Fredericq, "CA 62". (Medium 1 37C)

Producer of colicin:K

Ec 361/79 J.Šmarda - P.Fredericq, "K 49". (Medium 1 37C)

Producer of colicins: K,X

Ec 318/83 P.Fredericq, "K 235". (Medium 1 37C)

Producer of colicin: M

Ec 362/79 J.Šmarda - P.Fredericq,"32 T19/V+ TS". Resistant to colicin V, to phage T5. (Medium 1 37C)

Producer of colicins: M,B,Ia

Ec 309/66 P.Fredericq, "CA 18".(Medium 1 37C)

Producer of colicins: Q,E1,B,I

Ec 386/80 J.Šmarda, "II". (Medium 1 37C)

Producer of colicin: V

Ec 363/79 J.Šmarda - P.Fredericq, "1.7a". (Medium 1 37C)

Producer of colicins: V,M

Ec 308/66 P.Fredericq, "CA7". (Medium 1 37C)

Producer of colicin: X

Ec 364/79 J.Šmarda - P.Fredericq, "185.II/S 7a". (Medium 1 37C)

Producer of colicin: E4

Ec 419/81 V.Horák, KM LF UK,"337 BM". (Medium 1 37C)

Producer of colicin: E5

Ec 420/81 V.Horák, "271BM". (Medium 1 37C)

Producer of colicin: E7

Ec 422/81 V.Horák, "245BM". (Medium 1 37C)

Producer of colicin: A

Ec 432/82 J.Šmarda - A.P.Pugsley, IP, "BZ82101" gyrA (pColA-CA31). (Medium 1 37C)

Producer of colicin: B

Ec 433/82 J.Šmarda - A.P.Pugsley,  
"BZB2102" gyrA (pColB-K260). (Medium 1 37C)

Producer of colicin: D

Ec 434/82 J.Šmarda - A.P.Pugsley, "8282103" (pColD-CA23). (Medium 1 37C)

Producer of colicin: E1

Ec 435/82 J.Smarda - A.P.Pugsley,"BZB2104" (pColE1-K53). (Medium 1 37C)

Producer of colicin: E2

Ec 436/82 J.Šmarda - A.P.Pugsley,"BZB2125" gyrA (pColE2-P9). (Medium 1 37C)

Producer of colicin: E3

Ec 437/82 J.Šmarda - A.P.Pugsley,"BZB2149"  
gyrA (pAPBZ101 Ap<sup>r</sup> Tc<sup>r</sup> ColE3-CA38). (Medium 1 37C)

Producer of colicin: E4

Ec 438/82 J.Šmarda - A.P.Pugsley, "8282107" gyrA (pColE4-CT9). (Medium 1 37C)

Producer of colicin: E5

Ec 439/82 J.Šmarda - A.P.Pugsley, "BZ82108" (pColE5-099). (Medium 1 37C)

Producer of colicin: E6

Ec 440/82 J.Šmarda - A.P.Pugsley,"BZB2150"  
gyrA (pAPBZ102 Ap<sup>r</sup> Tc<sup>r</sup> ColE6-CT14). (Medium 1 37C)

- Producer of colicin: E7  
 Ec 441/82 J.Šmarda - A.P.Pugsley, "8ZB2110" (pColE7-K317). (Medium 1 37C)
- Producer of colicin: E8  
 Ec 455/84 J.Šmarda - P.C.Cooper and R.James, University School of Biological Sciences, Norwich, England, "E.c. K-12 - w 3110 (pColE8-J)". (Medium 1 37C)
- Producer of colicin: E9  
 Ec 456(84 J.Šmarda- P,C,Cooper and R.James, "E.c. K - 12 - w 3110(pColE9-J)". (Medium 1 37C)
- Producer to colicins: Ia,A  
 Ec 442/82 J.Šmarda - A.P.Pugsley, "BZB2114" gyrA(pColla-CA53). (Medium 1 37C)
- Producer of colicin: Ia  
 Ec 443/82 J.Šmarda - A.P.Pugsley, "BZ82279" gyrA(pAP87106 Apr TcrColla-CA53). (Medium 1 37C)
- Producer of colicin: Ib  
 Ec 444/82 J.Šmarda - A.P.Pugsley, "BZB2202" gyrA (pAPBZ151 Km<sup>r</sup> Col1b-P9::Tn5). (Medium 1 37C)
- Producer of colicin: K  
 Ec 445/82 J.Šmarda - A.P.Pugsley, "BZB2116" (pColK-K235).(Medium 1 37C)
- Producer of colicin: M  
 Ec 446/82 J.Šmarda - A.P.Pugsley, "PAP1" gyrA (pCollo1 M - BZBNC22). (Medium 1 37C)
- Producer of colicin:N  
 Ec 447/82 J.Šmarda - A.P.Pugsley, "8ZB2123" gyrA (pColN-284). (Medium 1 37C)
- Producer of colicin: S4  
 Ec 448/82 J.Šmarda - A.P.Pugsley, "PAP2" gyrA (pCol102 S4- S3409). Plasmid origin: S.typhimurium S3409, transfer by conjugation. (Medium 1 37C)
- Producer of colicin : X(Mcc17)  
 Ec 449/82 J.Šmarda - A.P.Pugsley, "8ZB2283" yrA (pMM4 Tcr ColX - RYC17::Tn1D) Medium 1 37C)
- Producer of colicins: B,M  
 Ec 457/85 J.Šmarda - P.Fredericq, "31 IB2" 206 Md/T5 (pCol1BM)F'Lac<sup>+</sup> (lambda), (Medium 1 37C)
- Producer of colicin: E3  
 Ec 458/85 J.Šmarda - A.P.Pugsley, "8Z8 2106" (pColE3-CA38). (Medium 1 37C)
- W 3110
- Producer of colicin: E8  
 Ec 459/85 J.Šmarda - A.P.Pugsley, "PAP 247", pPC101 (pColE8-J). (Medium 1 37C)
- W 3110
- Producer of colicin: Ib  
 Ec 460/85 J.Šmarda - A.P.Pugsley, "BZB 2115" w 3110 gyrA (pCollb-P9 drd). (Medium 1 37C)
- Producer of colicin: V  
 Ec 461/85 J.Smarda - A.P.Pugsley, "PAP 222", gyrA (pColV-K270) (pR538 drd). (Medium 1 37C)
- W 3110

Further producers given under Citrobacter freundii (Be), Escherichia coli-Alkalescens Oispar group (Sha), Shigella boydii (Shp),

Shigella sonnei (Shs), Serratia marcescens (Sr).

Indicators (E.coli) used for the determination of E.coli colicin types (Šmarda) (Medium 1 37C)

Ec 319/66	P.Fredericq, University of Liège, Belgium, "K-12 ROW" =K-1258-161 <u>metB1 rpsL</u> (lambda) F defective. A universal indicator sensitive to all colicins except colicins J <sub>s</sub> and L
387/80	J.Šmarda, KB LF UJEP - P.Frederic "ROW/B". Resistant to colicin B
411/81	J.Šmarda, K-12 ROW/V,I". Resistant to V and group I colicins
410/81	J.Šmarda, "K-12 ROW/E". Specifically resistant to group E colicins
Ec 388/80	J.Šmarda - P.Fredericq, "206Md", met tryB <u>tona</u> lac str <sup>R</sup> ColE <sup>R</sup> F
409/81	J.Šmarda - A.Gratia - P.Fredericq, "C6 (phi)". Indicator strain for all colicins of Fredericq s typology, lambda <sup>R</sup>
413/81	J.Šmarda,"C6/V,I". Specifically resistant to colicins I and V
414/81	J.Šmarda,"206Md/V". Specifically resistant to colicins E, K, V and X
415/81	J.Šmarda, "206Md/V,I". Specifically resistant to colicins V and group I
416/81	J.Šmarda, "206Md/V,M". Specifically resistant to colicins V and M
417/81	J.Šmarda - P.Reeves, University of Adelaide, Adelaide, Australia - J. Foulds, National Institute of Arthritis, Bethesda, USA, "P400". The most suitable indicator for colicin L

Indicators (E.coli) used for the determination of Sh. sonnei and E.coli colicin types (Horák) (Medium 1 37C)

Ec 319/66	P.Fredericq, University of Liège, Belgium, "K12 ROW" =K12 58-161 <u>met81</u> rpsL (lambda)+F+defective. An universal indicator sensitive to all colicins except colicins J <sub>s</sub> and L
338/78	V.Horák, KM LF UK, "a <sub>2</sub> ". Resistant to colicins E,I,V
339/78	V.Horák, "a <sub>3</sub> ". Immune to colicin Ia
340/78	V.Horák, "a <sub>4</sub> ". Immune to colicin Ib
341/78	V.Horák,"a <sub>5</sub> ". Resistant to colicin E
342/78	V.Horák,"b <sub>6</sub> ". Resistant to colicin E1
343/78	V.Horák, "7". Immune to colicin E2
372/79	V.Horák, "Ba". Immune to colicin E6
344/78	V.Horák, "10". Immune to colicins E1, Ia
345/78	V.Horák, "11a". Immune to colicins E1, Ib
346/78	V.Horák, "13". Immune to colicins [2, Ia
347/78	V.Horák, "14". Immune to colicins E2, Ib
348/78	V.Horák, "17a". Immune to colicins E6, Ib
350/78	V.Horák, "19". Immune to colicin K
351/78	V.Horák, "20". Immune to colicins K, Ia
352/78	V.Horák, "21". Immune to colicins K, Ib
353/78	V.Horák, "22". Immune to colicins K, E2,Ia
354/78	V.Horák, "23". Resistant to colicin D
355/78	V.Horák, "23a". Immune to colicin D
496/88	V.Horák, "24". Immune to colicin K. Resistant to colicin X
356/78	V.Horák, "25". Immune to colicins B, M
357/78	V.Horák, "26". Immune to colicins B, M,Ib
365/79	V.Horák, "27". Immune to colicins B,M,E2
366/79	V.Horák, "28". Immune to colicins B,M,E2,Ia
367/79	V.Horák, "29". Immune to colicins E1, E6,Ia
368/79	V.Horák, "30". Immune to colicins K, E1,Ia
369/79	V.Horák, "31". Immune to colicins E4,Ia

370/79 V.Horák, "32". Immune to colicins B,M,E1,Ia  
497/88 V.Horák, "33". Immune to colicin V  
374/79 V.Horák, "34". E.coli K-13 HfrR. Immune to colicins of Abbott-Shannon type 3 (X,Ia,E4+?)  
375/79 V.Horák, "35". Immune to colicins B,M,E6  
373/79 V.Horák, "36". Immune to colicins E1,E2  
376/79 V.Horák, "37". Immune to colicins E2,E6  
389/80 V.Horák, "38". Immune to colicins E1,E6. Resistant to colicins I,V  
390/80 V.Horák, "39". Immune to colicins E1,E2. Resistant to colicins I,V  
391/80 V.Horák, "40". Immune to colicins E2,E6. Resistant to colicins I,V  
508/88 V.Horák, "41". Immune to colicin K. Resistant to colicins X,E,I,V  
393/80 V.Horák, "42". Immune to colicin Ia. Resistant to colicin E  
394/80 V.Horák, "43". Immune to colicin Ib. Resistant to colicin E  
395/80 V.Horák, "44". Immune to colicin K. Resistant to colicin E  
396/80 V.Horák, "45". Immune to colicins B,M,Ia  
509/88 V.Horák, "46". Immune to colicins B,M. Resistant to colicins X,E,I,V  
398/80 V.Horák, "47". Immune to colicin E1. Resistant to colicin D  
399/80 V.Horák, "48". Immune to colicin E2. Resistant to colicin D  
400/80 V.Horák, "49". Immune to colicin [6. Resistant to colicin D  
401/80 V.Horák, "50". Immune to colicin E1  
402/80 V.Horák, "51". Immune to colicins E1,K  
403/80 V.Horák, "52". Immune to colicins E2,K  
404/80 V.Horák, "53". Immune to colicins E6,K  
405/80 V.Horák, "55". Immune to colicins B,M,K  
406/80 V.Horák, "56". Immune to colicins B,M,E1  
407/80 V.Horák, "57". Immune to colicins B,M,E6,Ia  
424/82 V.Horák, "113". Immune to colicin E5  
425/82 V.Horák, "114". Immune to colicin E4  
491/88 V.Horák, "58". Immune to colicins B, M. Resistant to colicin E  
510/88 V.Horák, "59". Resistant to colicins X,I,V  
487/88 V.Horák, "60". Immune to colicins B, M,E6,Ib  
488/88 V.Horák, "61". Immune to colicins B, M,E6,Ib. Resistant to colicin E  
489/88 V.Horák, "62". Immune to colicins B, M,E6,Ia. Resistant to colicins I,V  
490/88 V.Horák, "63". Immune to colicins B, M,E1,Ia. Resistant to colicin E  
492/88 V.Horák, "64". Immune to colicin K. Resistant to colicins E,I,V  
493/88 V.Horák, "65". Immune to colicin K. Resistant to colicins I,V  
494/88 V.Horák, "66". Immune to colicin D. Resistant to colicin E  
495/88 V.Horák, "67". Immune to colicin D. Resistant to colicins I,V  
499/88 V.Horák, "68". Immune to colicins B, M. Resistant to colicins I,V  
500/88 V.Horák, "69". Immune to colicins B, M, E1,Ib  
501/88 V.Horák, "70". Resistant to colicins I,V  
502/88 V.Horák, "71". Immune to colicins B, M. Resistant to colicins E,I,V  
504/88 V.Horák, "73". Resistant to colicin X  
505/88 V.Horák, "74". Immune to colicin E1. Resistant to colicin X  
506/88 V.Horák, "75". Immune to colicin E2. Resistant to colicin X  
507/88 V.Horák, "76". Resistant to colicins X,E  
418/81 V.Horák, "80a". Immune to colicin E3  
511/88 V.Horák, "84". Immune to colicin Ib. Resistant to colicin D  
512/88 V.Horák, "85". Immune to colicin Ia. Resistant to colicin D  
513/88 V.Horák, "86". Immune to colicins E2,Ib. Resistant to colicin X

514/88	V.Horák, "87". Immune to colicins E1,Ib. Resistant to colicin X
515/88	V.Horák, "88". Resistant to colicins E,I,V,X
516/88	V.Horák, "89". Immune to colicins 8, M. Resistant to colicins E,I,V,D
517/88	V.Horák, "90". Immune to colicins V, Ia.
518/88	V.Horák, "91". Immune to colicins V, Ib
519/88	V.Horák, "92". Immune to colicin V. Resistant to colicin E
520/88	V.Horák, "94". Immune to colicins V, Ia. Resistant to colicin E
521/88	V.Horák, "95". Immune to colicins 8, M. Resistant to colicin X
522/88	V.Horák, "96". Immune to colicins V, B,M
523/88	V.Horák, "97". Immune to colicins V, D
524/88	V.Horák, "98". Immune to colicin D. Resistant to colicin X
525/88	V.Horák, "99". Immune to colicins V,K
526/88	V.Horák, "100". Immune to colicins V,B,M. Resistant to colicin E
527/88	V.Horák, "101". Immune to colicin D. Resistant to colicins E,I,V
528/88	V.Horák, "102". Immune to colicins B,M. Resistant to colicins E,D
529/88	V.Horák, "103". Immune to colicins B,M. Resistant to colicin D
530/88	V.Horák, "104". Immune to colicins B,M. Resistant to colicins D,I,V
531/88	V.Horák, "105". Immune to colicin E6. Resistant to colicins D,I,V
532/88	V.Horák, "106". Immune to colicin Ia. Resistant to colicins D,E1
533/88	V.Horák, "107". Immune to colicin Ib. Resistant to colicins D,E
534/88	V.Horák, "108". Immune to colicin Ia. Resistant to colicins D,E
535/88	V.Horák, "109". Immune to colicin Ia. Resistant to colicin X
536/88	V.Horák, "110". Immune to colicin Ib. Resistant to colicin X
537/88	V.Horák, "111". Immune to colicin Ia. Resistant to colicins X,E
538/88	V.Horák, "112". Immune to colicin Ib. Resistant to colicins X,E, E.coli K-13 HfrR (with out denotation) E.coli K-12 ROW = a E.coli C6= b
542/88	J.Šmarda, ROW mutant E5-3. Tolerant to colicins E1- E9
544/88	J.Šmarda, ROW mutant E9-3. Tolerant to colicins E1 - E9
545/88	J.Šmarda, ROW mutant E9-6. Tolerant to colicins E1 - E9
546/88	J.Šmarda, ROW mutant E1-3. Resistant to colicins E1,E4,E8,E9, tolerant to colicins E2,E3,E5 - E7
547/88	J.Šmarda, ROW mutant E2-1. Resistant to colicins E1,E2,E8, tolerant to colicins E3 - E7,E9
548/88	J.Šmarda, ROW mutant [5-2. Resistant to colicins E1,E4, tolerant to colicins E2,E3,E5 - E9
549/88	J.Šmarda, ROW mutant E5-5. Resistant to colicins E1,E5,E7,E9, tolerant to colicins E2 - E4,E6,E8
550/88	J.Šmarda, ROW mutant E6-1. Resistant to colicins E7 - E9, tolerant to colicins E1 -E6
551/88	J.Šmarda, ROW mutant E8-1. Resistant to colicin [5, tolerant to colicins E1 - E4, E6-E9

Escherichia coli (previous name Alkalescens Dispar group)

Sha 23/66	S.Slopek, Instytut Immunologii i Terapii Doświadczalnej, Wrocław, Poland - P.Fredericq, University of Liege, Belgium, "P 14". Producer of colicin E1. (Medium 1 37C)
Sha 24/89	J.Šmarda, KB LF UJEP - P.Fredericq, "P 15". Producer of colicin S4. (Medium 1 37C)
Serotype 01	
Sha 1/39	SZÚ, "9707". (Medium 1 37C)
6247 4/49	NCTC, "1601", ATCC, "19413". Reference strain for shigella alkalescens. (Medium 1 37C)
Serotype 02	
Sha 5/54	ÚEM, "644". (Medium 1 37C)
6/54	ÚEM, "792". (Medium 1 37C)

8/55		H.Meisel, PZH, "592". (Medium 1 37C)
Shp 107/51		K.Rauss, EMI, "A 193" ( <i>Shigella tietzei</i> ). (Medium 1 37C)
Serotype 04		
Shd	1/32	IP ( <i>Bacillus dysenteriae</i> Strong). (Medium 1 37C)
6239	2/49	NCTC, "1602" ( <i>Shigella dispar</i> ). (Medium 1 37C)
6248	3/49	NCTC, "3668" ( <i>Shigella madampensis</i> ). (Medium 1 37C)
Serotype 05		
Sha	2/42	SZÚ, "BSU pink". (Medium 1 37C)
	3/42	SZÚ, "BSU colourless". (Medium 1 37C)
Serotype 1a,1b:1a,1b		
Sha	10/63	F.Orskov, StS, "1601", (A-D 5). (Medium 1 37C)
Serotype 1a,1b:1a		
Sha	11/63	F.Orskov, "5379", (A-D 12). (Medium 1 37C)
Serotype 1a:1a,1b		
Sha	12/63	F.Orskov, "38949", (A-D 54). (Medium 1 37C)
Serotype 2:1a		
Sha	13/63	F.Orskov, "589", (A-D 55). (Medium 1 37C)
Serotype 2:1a,1b		
Sha	14/63	F.Orskov, "A-193". (A-D 82). (Medium 1 37C)
Serotype 3a:2		
Sha	15/63	F.Orskov, "2-193", (A-D 83). (Medium 1 37C)
Serotype 3a,3b:2		
Sha	16/63	F.Orskov, "54a", (A-D 117). (Medium 1 37C)
Serotype 4:3		
Sha	17/63	F.Orskov, "2605", (A-D 119). (Medium 1 37C)
Serotype 5:4		
Sha	18/63	F.Orskov, "145", (A-D 129). (Medium 1 37C)
Serotype 5:3		
Sha	19/63	F.Orskov, "5513", (A-0128). (Medium 1 37C)
Serotype 6:5		
Sha	20/63	F.Orskov, "2801", (A-D 131). (Medium 1 37C)
Serotype 7:1a		
Sha	21/63	F.Orskov, "2278", (A-D 132). (Medium 1 37C)
Serotype 8:-		
Sha	22/63	F.Orskov, "187", (A-D 133). (Medium 1 37C)

Escherichia fergusonii Farmer et al.

6252	Ec 479/87	E.Aldová, IHE - KHS, České Budějovice. Stool "25701". (Medium 1 37C)
6259	480/87	E.Aldová - KHS, České Budějovice. Stool "25673". (Medium 1 37C)

Escherichia hermannii Brenner et al.

6260	Ec 412/81	E.Aldová, IHE - O.Hausner, KHS, České Budějovice. Urine "22915". (Medium 1 37C)
6253	428/82	B.R.Davis, CDC <sub>1</sub> , "980-72", ATCC, "33650". 17-Year old female. Type strain. (Medium 1 37C)
	483/87	E.Aldová - KHS, České Budějovice. Stool "27202". (Medium 1 37C)

Escherichia vulneris Brenner et al.

6254	Ec 429/82	B.R.Davis, CDC <sub>1</sub> , "875-72", ATCC, "33821". Human wound. Type strain. (Medium 1 37C)
6261	454/83	ATCC, "29943" ( <i>Enterobacter vulneris</i> ). Human wound. (Medium 1 37C)

Eubacterium lentum (Eggerth) Prévot

An 2/78 A.Hudáč, VUEM. Appendicitis "90/78". (Medium 737C, Anaerobic)

Eubacterium saburreum (Prévot) Holdeman and Moore

An 3/80 A.Hudáč, VÚPL. Cervicitis "648/80". (Medium 7 37C, Anaerobic)

Falcivibrio prandis Hammann et al.

6444 An 18/88 R.Hammann, Becton-Dickinson, Heidelberg, FRG, "L 23-1b", ATCC, "43064". Vaginal secretions. Type strain. (Medium 8,27 37C, Anaerobic)  
 5106 19/88 R.Hammann, "Aix". Vaginal secretions. ATTC, "51332" (Medium 8,27 37C, Anaerobic)  
 23/88 R.Hammann, "V 121". Vaginal secretions. (Medium 8,27 37C, Anaerobic)

Falcivibrio vapinalis Hammann et al.

6443 An 16/88 R.Hammann, Becton-Dickinson, Heidelberg, FRG, "Vib 7". Vaginal secretions. (Medium 8,27 37C, Anaerobic)  
 6898 17/88 R.Hammann, "L 1599". Vaginal secretions. ATTC, "51333" (Medium 8,27 37C, Anaerobic)  
 20/88 R.Hammann, "Vib 16". Vaginal secretions. (Medium 8,27 37C, Anaerobic)

"Flavobacterium arborescens" (Frankland and Frankland) Bergey et al.

6430 Fl 5/83 V.Kusák, ČSAV "Japan". (Medium 1 30C)

"Flavobacterium aurantiacum"

6431 Fl 6/83 V.Kusák, CSAV, "NRRL-B-184". (Medium 1 30C)  
 6432 7/83 V.Kusák, "USA". (Medium 1 30C)

Flavobacterium meningosepticum King

Fl 3/73 J.Duben, OHS, Havlíčkův Brod. Laryngeal swab "10621/K". (Medium 2 37C)  
 6337 14/89 O.Brandenburová, KHS, Košice. Auditory canal in newborn "11515/89". (Medium 2 37C)

Flavobacterium odoratum Stutzer

Serovar 01 (Provisional scheme recommended by Kohút)

6331 Fl 4/78 P.Kohút, ÚLMI UK - NCTC, "11179". Urine "111". (Medium 1 30C)  
 6332 Fl 8/83 P.Kohút, ÚLMI UK. Urine "879". (Medium 1 30C)

Serovar 03

6899 Fl 9/83 P.Kohút. Urine "328". (Medium 1 30C)

Serovar 04

6900 Fl 10/83 P.Kohút. Urine "576". (Medium 1 30C)

Serovar 05

6901 Fl 11/83 P.Kohút. Urine "607". (Medium 1 30C)

Serovar 06

6902 Fl 12/83 P.Kohút. Urine "92". (Medium 1 30C)

Serovar 07

6903 Fl 13/83 P.Kohút. Urine "670". (Medium 1 30C)

Flavobacterium sp.

6335 Fl 1/48 SZU. Sputum "8569". (Medium 1 37C)  
 6433 2/66 E.Aldová, ÚEM - KHS, Košice. Faeces "11220". (Medium 1 37C)

Francisella tularensis (McCoy and Chapin) Dorofeev

Pat 1/52 J.Křivinka, KHS, Brno. Avirulent vaccine strain. (Medium 12 37C)  
 3/53 E.Aldová, ÚEM. Rabbits bone. (Medium 12 37C)



7/53	E.Aldová. Rabbitš spleen "92813". (Medium 12 37C)
15/53	E.Aldová. Human pus "266/23/251". (Medium 12 37C)
16/53	E.Aldová. Human pus "365/459/234". (Medium 12 37C)
17/53	"Gajský Elbert". Avirulent vaccine strain. (Medium 12 37C)
18/53	H.Vojtová, KHS, Jihlava. Rabbit "375". (Medium 12 37C)

Fusobacterium nucleatum Knorr

An8/80	A.Hudáč, VUPL. Gingivitis "19/d-80". (Medium 7 37C, Anaerobic)
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Fusobacterium sp.

An 14/87	L.Brezinová, IKEM. Pus (actinomycosis) "100/87". (Medium 7 37C, Anaerobic)
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"Gaffkya tetragena" (Gaffky) Trevisan

6436	G 1/47	SZU, "8088". (Medium 2 37C)
6437	2/49	J.Lexa, Bulovka Hospital, Praha. Sputum "860". (Medium 2 37C)

Gardnerella vaginalis (Gardner and Dukes)  
Greenwood and Pickett

6904	Gv 1/77	ATCC, "14018" (Haemophilus vaginalis), NCTC, "10287". Vaginal secretion. Type strain. (Medium 2 37C, CO <sub>2</sub> )
6905	2/88	J.Wolfová, Motol Hospital, Praha. Vaginal secretion "572". (Medium 2 37C, CO <sub>2</sub> )
6906	3/88	J.Wolfová. Vaginal secretion "574". (Medium 2 37C, CO <sub>2</sub> )

Haemophilus aphrophilus Khairat

H 3/88	CCM, "3581". (Medium 11 37C, CO <sub>2</sub> )
5/88	E.Aldová, IHE. Haemoculture (sepsis), "28254". (Medium 11 37C, CO <sub>2</sub> )

Haemophilus haemolyticus Bergey et al.

6471	H 1/64	B.Vysoká, UEM. Throat (bronchitis) "Kroupa". (Medium 2 37C, CO <sub>2</sub> )
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Haemophilus influenzae (Lehmann and Neumann) Winslow et al.

6328	Hi 1/58	M.Kohoutová, BU - Z.Opara, Polska Akademia Nauk, (Polish Academy of Sciences), Warszawa, Poland, "Rd". Streptomycin sensitive. (Medium 34 37C)
6329	2/58	M.Kohoutová - Z.Opara, "Rds". Streptomycin resistant. (Medium 34 37C)
	4/58	B.Vysoká, ÚEM, "1435". (Medium 34 37C)

## Type a

6330	Hi 5/63	J.Ungar, Glaxo, "726 E" - NCTC, "8466", ATCC, "9327". (Medium 34 37C)
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## Type b

6298	Hi 3/58	B.Vysoká, "1743". (Medium 34 37C)
6457	11/64	J.Ungar, "Roshier 2" - NCTC, "7279". A case of cerebrospinal meningitis. (Medium 34 37C)

## Type c

6459	Hi 7/63	J.Ungar, "728 E" - NCTC, "8469", ATCC, "9007". (Medium 34 37C)
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## Type d

6458	Hi 8/63	J.Ungar, "729 E" - NCTC, "8470", ATCC, "9332". (Medium 34 37C)
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## Type e

6472	Hi 9/63	J.Ungar - NCTC, "8472", ATCC, "8142". (Medium 34 37C)
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## Type f

5214	Hi 10/63	J.Ungar, "650 E" - Brompton Hospital London, "R 026". (Medium 34 37C)
6473	12/78	NCTC, "7918". (Medium 34 37C)

Haemophilus parainfluenzae Rivers

6460 Hpi 1/64 Glaxo. (Medium 34 37C)

Haemophilus somnus Bailie

H 4/88 P.Vladik, SVÚ, České Budějovice, O.Hausner, KHS, České Budějovice, E.Aldová, IHE. Calf (pneumonia) "28458/9038". (Medium 2 37C, Anaerobic)

6/89 M.Lávičková, ÚSVÚ. Vaginal swab from cow "2534". (Medium 4 37C, CO<sub>2</sub>)Hafnia alvei Moller

Ha 1/53 J.Sedlák, D.Matějovská, ÚEM, "1809" (Enterobacter hafniae). (Medium 1 37C)

10/89 E.Aldová, IHE - O.Hausner, KHS, České Budějovice. Urine (Vietnam) "25350", sorbitol positive. (Medium 1 37C)

11/89 E.Aldová - O.Hausner. Stool "28643", lactose positive. (Medium 1 37C)

12/89 E.Aldová - O.Hausner. Food "29117", indol positive. (Medium 1 37C)

Type 01 (Provisional scheme recommended by Sedlák and Matějovská)

6394 Ha 3/68 J.Sedlák, LFH KU - ATCC, "13337", (Stuart 32011). Type strain. Arginine dihydrolyase and urease positive. (Medium 1 37C)

## Type 02

Ha 2/62 E.Aldová. Human faeces "5478". (Medium 1 37C)

## Type 03

Ha 4/68 J.Sedlák - KHS, Banská Bystrica. Human faeces "4068". (Medium 1 37C)

## Type 04

Ha 5/68 J.Sedlák - E.van Oye, BNCSS. Human faeces "1351". (Medium 1 37C)

## Type 05

Ha 6/68 J.Sedlák - KHS, Banská Bystrica. Human faeces "1366". (Medium 1 37C)

## Type 06

Ha 7/68 E.Aldová. Human faeces "1526". (Medium 1 37C)

## Type 07

Ha 8/68 J.Sedlák - OHS, Třinec. Human faeces "66901". (Medium 1 37C)

## Type 08

6438 Ha 9/68 J.Sedlák - OHS, Třinec. Human faeces "25848". Media testing. (Medium 1 37C)

Helicobacter pylori Goodwin et al.

Ca 35/89 A.Souček, A.Součková, ÚLMI KU (Campylobacter pylori). Antrum (biopsy) "400". (Medium 35 37C, Anaerobic)

36/89 A.Souček, A.Součková. Antrum (biopsy) "440". (Medium 35 37C, Anaerobic)

Jonesia denitrificans (Prévot) Rocourt et al.

6461 Li 56/89 E.Menčíková, ÚLMI KU - J.Rocourt, IP, CIP, "2210" (Listeria denitrificans). (Medium 33 30C)

Kinpeella kingae (Henriksen and Bovre) Henriksen and Bovre

5768 Mo 6/75 CCM, "5679" - ATCC, "23330". Human nose. Type strain. (Medium 4 37C)

Klebsiella oxytoca (Flügge) Lautrop

6129 Klp 83/67 ATCC, "13030" (Aerobacter oxytoca). Atypical. (Medium 1 37C)

84/68 LFH KU. Clinical material. (Medium 1 37C)

6110 92/83 ATCC, "13182". Pharyngeal tonsil. Type strain. DNA hybridization reference strain. (Medium 1 37C)

94/87 E.Aldová, IHE, "26467" - Léčiva, Hořátek. (Medium 1 37C)

6130 95/87 E.Aldová - OHS, Považská Bystrica. Urine "26656". (Medium 1 37C)

Klebsiella ozaenae (Abel) Bergey et al.

5514	K1o 1/35	SZU, "Guttmann". (Medium 1 37C)
5040	2/35	SZÚ, "Schnoblová". (Medium 1 37C)
	3/37	ÚSOL. (Medium 1 37C)
5515	4/39	SZÚ, "Divišová". (Medium 1 37C)
	5/44	SZÚ, "59896". (Medium 1 37C)
	6/51	J.Lexa, Buřovka Hospital, Praha. Nose (ozaena) "25897". (Medium 1 37C)
	7/51	J.Lexa. Nose (ozaena) "25899". (Medium 1 37C)
	8/59	V.Šerý, ÚEM. Vietnam "3202". (Medium 1 37C)
	9/59	V.Šerý. Vietnam "3858". (Medium 1 37C)

## Type K 4 (=D)

5041	K1o 10/67	NCTC, "5050", ATCC, "11296". Type strain.(Medium 1 37C)
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## Type K 5 (=E)

6136	K1o 11/67	NCTC, "5051", ATCC, "11297". (Medium 1 37C)
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## Type K 6 (=F)

6137	K1o 12/67	NCTC, "5052", ATCC, "11298". (Medium 1 37C)
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Klebsiella planticola Bagley et al.

6132	K1 2/83	ATCC, "33531". Radish root. Type strain. (Medium 1 37C)
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Klebsiella pneumoniae (Schroeter) Trevisan

6106	K1p 1/39	SZU, "Pernt". (Medium 1 37C)
6107	2/39	SZÚ, "14105". (Medium 1 37C)
6111	3/39	SZÚ, "18981". (Medium 1 37C)
6108	4/42	SZÚ, "95747". (Medium 1 37C)
6112	5/42	SZÚ, "100197". (Medium 1 37C)
5535	6/48	SZÚ, "7237". Disinfectant testing.(Medium 1 37C)
6113	7/48	SL, "F 3". Assay of streptomycin. (Medium 1 37C)

## Type K 1

K1p 8/65	I. Orskov, "StS, "A 5054". (Medium 1 37C)
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## Type K 2

K1p 9/65	I.Orskov, "B 5055". (Medium 1 37C)
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## Type K 3

K1p 10/65	I.Orskov, "C 5046". (Medium 1 37C)
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## Type K 4

K1p 11/65	I.Orskov,"D.5050 (Medium 1 37C)
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## Type K 5

K1p 12/65	I.Orskov, "E 5051". (Medium 1 37C)
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## Type K 6

K1p 13/65	I.Orskov, "F 5052". (Medium 1 37C)
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## Type K 7

K1p 14/65	I.Orskov, "Aerogenes 4140". (Medium 1 37C)
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## Type K 8

K1p 15/65	I.Orskov, "Klebs. 1015". (Medium 1 37C)
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## Type K 9

K1p 16/65	I.Orskov, "Klebs. 56". (Medium 1 37C)
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## Type K 10

K1p 17/65	I.Orskov, "Klebs. 919". (Medium 1 37C)
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## Type K 11

K1p 18/65	I.Orskov, "Klebs. 390". (Medium 1 37C)
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Type K 12		
	K1p 19/65	I.Orskov, "K1ebs. 313". (Medium 1 37C)
Type K 13		
	K1p 20/65	I.Orskov, "K1ebs. 1470". (Medium 1 37C)
Type K 14		
	K1p 21/65	I.Orskov, "K1ebs. 1193". (Medium 1 37C)
Type K 15		
	K1p 22/65	I.Orskov, "Mich. 61". (Medium 1 37C)
Type K 16		
	K1p 23/65	I.Orskov, "2069/49". (Medium 1 37C)
Type K 17		
	K1p 24/65	I.Orskov, "2005/49. (Medium 1 37C)
Type K 18		
	K1p 25/65	I.Orskov, "1754/49". (Medium 1 37C)
Type K 19		
6114	K1p 26/65	I.Orskov, "293/50". Media testing. (Medium 1 37C)
Type K 20		
	K1p 27/65	I.Orskov, "889/50". (Medium 1 37C)
Type K 21		
	K1p 28/65	I.Orskov, "1702/49". (Medium 1 37C)
Type K 22		
	K1p 29/65	I.Orskov, "1996/49". (Medium 1 37C)
Type K 23		
	K1p 30/65	I.Orskov, "2813/50,2812?". (Medium 1 37C)
Type K24		
	K1p 31/65	I.Orskov, "1680/49". (Medium 1 37C)
Type K 25		
	K1p 32/65	I.Orskov, "2002/49". (Medium 1 37C)
Type K 26		
	K1p 33/65	I.Orskov, "5884". (Medium 1 37C)
Type K 27		
	K1p 34/65	I.Orskav, "6613". (Medium 1 37C)
Type K 28		
	K1p 35/65	I.Orskov, "5758". (Medium 1 37C)
Type K 29		
	K1p 36/65	I.Orskov, "5725 y". (Medium 1 37C)
Type K 30		
	K1p 37/65	I .Orskov , "7824". (Medium 1 37C)
Type K 31		
	K1p 38/65	I.Orskov, "6258". (Medium 1 37C)
Type K 32		
	K1p 39/65	I.Orskov, "6837". (Medium 1 37C)
Type K 33		
	K1p 40/65	I.Orskov, "6168". (Medium 1 37C)
Type K 34		
	K1p 41/65	I.Orskov, "7522". (Medium 1 37C)
Type K 35		
	K1p 42/65	I.Orskov, "7444". (Medium 1 37C)
Type K 36		
	K1p 43/65	I.Orskov, "8306". (Medium 1 37C)

Type K 37  
K1p 44/65 I.Orskov, "8238". (Medium 1 37C)

Type K 38  
K1p 45/65 I.Orskov, "8414". (Medium 1 37C)

Type K 39  
K1p 46/65 I.Orskov, "7749". (Medium 1 37C)

Type K 40  
K1p 47/65 I.Orskov, "8588". (Medium 1 37C)

Type K 41  
K1p 48/65 I.Orskov , "6177". (Medium 1 37C)

Type K 42  
K1p 49/65 I .Orskov , "1702". (Medium 1 37C)

Type K 43  
K1p 50/65 I .Orskov , "2482". (Medium 1 37C)

Type K 44  
K1p 51/65 I.Orskov , "7730". (Medium 1 37C)

Type K 45  
K1p 52/65 I.Orskov, "8464". (Medium 1 37C)

Type K 46  
K1p 53/65 I.Orskov, "5281". (Medium 1 37C)

Type K 47  
K1p 54/65 I.Orskov, "9682". (Medium 1 37C)

Type K 48  
K1p 55/65 I.Orskov, "1196". (Medium 1 37C)

Type K 49  
K1p 56/65 I .Orskov , "6115". (Medium 1"37C)

Type K 50  
K1p 57/65 I .Orskov , "1303/50". (Medium 1 37C)

Type K 51  
K1p 58/65 I.Orskov, "4715/50". (Medium 1 37C)

Type K 52  
K1p 59/65 I.Orskov, "5759/50". (Medium 1 37C)

Type K 53  
K1p 60/65 I.Orskov, "1756/50". (Medium 1 37C)

Type K 54  
K1p 61/65 I.Orskov, "Stanley". (Medium 1 37C)

Type K 55  
K1p 62/65 I.Orskov, "3985/51". (Medium 1 37C)

Type K 56  
K1p 63/65 I.Orskov, "3534/51". (Medium 1 37C)

Type K 57  
K1p 64/65 I.Orskov, "4425/51". (Medium 1 37C)

Type K 58  
K1p 65/65 I.Orskov, "636/52". (Medium 1 37C)

Type K 59  
K1p 66/65 I.Orskov, "2212/52". (Medium 1 37C)

Type K 60  
K1p 67/65 I.Orskov, "4463/52". (Medium 1 37C)

Type K 61  
K1p 68/65 I.Orskov, "5710/50". (Medium 1 37C)

Type K 62		
	K1p 69/65	I.Orskov , "5711/52". (Medium 1 37C)
Type K 63		
	K1p 70/65	I.Orskov, "?". (Medium 1 37C)
Type K 64		
	K1p 71/65	I.Orskov, "NCTC 8172" (K.aerogenes). (Medium 1 37C)
Type K 65		
	K1p 72/86	I.Orskov, "SW 4". (Medium 1 37C)
Type K 67		
	K1p 73/86	I.Orskov, "264(1 )". (Medium 1 37C)
Type K 68		
	K1p 74/86	I.Orskov, "265(1 )". (Medium 1 37C)
Type K 69		
	K1p 75/86	I.Orskov, "889". (Medium 1 37C)
Type K 70		
	K1p 76/65	I.Orskov, "167". (Medium 1 37C)
Type K 71		
	K1p 77/65	I.Orskov, "4349". (Medium 1 37C)
Type K 72		
	K1p 78/65	I.Orskov, "1205". (Medium 1 37C)
6115	K1p 79/66	J.Sedlák, LFH KU - S.Slopek, IITD, "K9". Indicator strain,for colicins. (Medium 1 37C)
6116	81/67	ATCC, "4208". Type 1. (Medium 1 37C)
6117	80/66	ATCC, "10872". Type 2. (Medium 1 37C)
6118	82/67	ATCC, "10273". Type 3'. (Medium 1 37C)
6119	K1p 85/69	ATCC, "10031", NCTC, "7427", FDA strain PCI "602". Turbidimetric assay of dihydrostreptomycin, streptomycin and viomycin in pharmaceutical preparations. (Medium 1 37C)
5659	86/69	NCTC, "7242" (Klebsiella edwardsii var. edwardsii). Assay of streptomycin. Type K 2. (Medium 1 37C)
6120	87/79	ATCC, "4352". Cow š milk. Simmons citrate and malonate negative. (Medium 1 37C)
6121	88/83	E.Falsen, CCUG,"EF-225", ATCC, "13883", NCTC, "9633". Assay of antimicrobial agents in aqueous metal working fluids. Type strain. (Medium 1 37C)
6122	89/83	NCTC, "5054", ATCC, "13886" (Type strain of Klebsiella edwardsiii. var. edwardsii). (Medium 1 37C)
6123	90/83	NCTC, "9496", ATCC, "13887" (Type strom of Klebsiella edwardsii var. atlantae). Bronchial washings. (Medium 1 37C)
6907	91/83	ATCC, "15574" (Klebsiella rubiacearum). (Medium 1 37C)
6124	93/86	ATCC, "29665". Assay of clavulanic acid. (Medium 1 37C)
	96/88	J.Šmarda, KB LF UJEP, "S 15" - B.Oudega, Department of Microbiology, Amsterdam, The Netherlands (Klebsiella edwardsii var. edwardsii).Indicator strain for bactericidal effect of cloacin DF13. (Medium 1 37C)
6125	97/89	ATCC, "8047". Lung. Type 1. (Medium 1 37C)
6126	98/89	ATCC, "29011". Blood. Type 2. (Medium 1 37C)
6109	Ae 2/43	SZÚ (Enterobacter aerogenes).(Medium 1 37C)
6127	3/43	SZÚ, "91320" (Enterobacter aerogenes). Media testing. (Medium 1 37C)
	4/43	SZÚ, "165542" (Enterobacter aerogenes). (Medium 1 37C)
5549	6/49	J.Lexa, Bulovka Hospital, Praha. (Enterobacter aerogenes). Urine (nephritis) "213". Media testing. (Medium 1 37C)
6908	7/54	ÚEM (Enterobacter aerogenes). Duodenal juice "150". Media testing. (Medium 1 37C)

6128 8/59 J.Duben, OHS, Havlíčkův Brod (*Enterobacter aerogenes*). Pus (purulent meningitis) "16124/59 K". (Medium 1 37C)

Klebsiella rhinoscleromatis Trevisan

K1r 1/32 SZÚ, "Bezák". (Medium 1 37C)  
 2/32 SZÚ, "Bučinčuk". (Medium 1 37C)  
 3/32 SZÚ, "Fritsch". (Medium 1 37C)  
 4/32 SZÚ, "Kasper". (Medium 1 37C)  
 5/32 SZÚ, "IV". (Medium 1 37C)  
 6/33 ÚSOŁ. (Medium 1 37C)  
 7/33 SZÚ, "Výmola". (Medium 1 37C)  
 8/41 SZÚ, "Jarubčík". (Medium 1 37C)  
 9/41 SZÚ, "Hřebíček". (Medium 1 37C)  
 10/41 SZÚ, "Gerubová". (Medium 1 37C)  
 11/41 SZÚ, "Murčenková". (Medium 1 37C)  
 12/41 SZÚ, "Nováková". (Medium 1 37C)  
 13/42 SZÚ, "Kovářová". (Medium 1 37C)  
 14/42 SZÚ, "Sokolová". (Medium 1 37C)  
 K1r 15/42 SZÚ, "1258". (Medium 1 37C)  
 16/42 SZÚ, "24358". (Medium 1 37C)  
 6133 17/67 NCTC, "5046". ATCC, "13884". Nose of patient in Sumatra. T} strain. Type K 3. (Medium 1 37C)  
 6134 18/67 NCTC, "1936", ATCC, "6908". Rhinoscleroma in a Malay woman. (Medium 1 37C)  
 6135 19/67 ATCC, "9436" (*Klebsiella rhinoscleromatis* var. *equatoriana*). Patient from Quito, Ecuador. (Medium 1 37C)

Klebsiella terrigena Izard et al.

6131 K11/83 IP, "CIP 80-07", ATCC, "33257". Drinking water. Type strain. (Medium 1 37C)

Kluyvera ascorbata Farmer et al.

6463 Eb 6/82 P.A.D.Grimont, IP, "K1 gp I" ATCC, "14236" (*Kluyvera citrophila*), Sewage. (Medium 1 37C)

Kluyvera cryocrescens Farmer et al.

6464 Eb 7/82 P.A.D.Grimont, IP, "K3 18-79", ATCC, "14237". Soil. (Medium 1 37C)

Koserella trabulsi Hickman-Brenner et al.

6465 Eb 37/87 E.Aldová, IHE - KHS, České Budějovice. Italian salad "26908". (Medium 1 37C)

Kurthia zopfii (Kurth) Trevisan

6474 B 1/43 SZÚ, "168471". (Medium 1 37C)

Lactobacillus acidophilus (Moro) Hansen and Møcquot

12 L.Pokorná, Laktoflora, "227" (*Lactobacillus acidophilus* - *doederleinii*). France. (Medium 13,19 37C)

Lactobacillus casei (Orla-Jensen) Hansen and Lessel

5 Laktoflora, "150", isol. 1958. Media testing. (Medium 13 37C)

Lactobacillus casei subsp. rhamnosus Hansen

6445 3 ATCC, "7469". Assay of biotin, folic acid, nicotinic acid and riboflavin. Type strain. (Medium 13,19 37C)

Lactobacillus catenaformis (Eggerth) Moore and Holdeman

10 A.Hudáč, VUPL. Empyema thoracis "569/80". (Medium 7 37C, Anaerobic)

Lactobacillus delbrueckii subsp. lactis (Orla--Jensen) Weiss et al.

6446 7 ATCC, "7830" (Lactobacillus leichmannii). Assay of vitamin B<sub>12</sub>, cobalamins and cystine. (Medium 21 37C)

Lactobacillus helveticus (Orla-Jensen) Bergey et al.

6439 8 Laktoflora, "596" (Lactobacillus lactis) -ATCC, "10705". Assay of vitamin B<sub>12</sub>. (Medium 21 37C)

Lactobacillus plantarum (Orla-Jensen) Bergey et al.

6447 11 J.Černá, VUPP - ATCC, "8014" (Lactobacillus arabinosus). Assay of amino acids. (Medium 13 37C)

Lactobacillus viridescens Niven and Evans

6448 13 J.Cerná, VUPP, "S 38A" - ATCC, "12706". Assay of thiamine. Slime formation. Type strain. (Medium 13 37C, CO<sub>2</sub>)

Lactococcus garviae (Collins et al.) Schleifer et al.

Group N (Lancefields scheme)

6909 Str 32/89 ATCC, "43921". Type strain. (Medium 2 37C)

Lactococcus lactis subsp. cremoris (Orla-Jensen) Schleifer et al.

Group N (Lancefield s scheme)

6910 Str 29/89 ATCC, "19257". Type strain. (Medium 2 37C)

Lactococcus lactis subsp. lactis (Lohnis) Schleifer et al.

Group N (Lancefield s scheme)

6911 Str 25/58 PHLS, "J.O.Lactis", ATCC, "19435", NCTC, "6681". Type strain. (Medium 2 37C)

Lactococcus plantarum (Collins et al.) Schleifer et al.

Group N (Lancefield s scheme)

6912 Str 33/89 ATCC, "43199". Type strain. (Medium 2 37C)

Lactococcus raffinolactis Schleifer et al.

Group N (Lancefield s scheme)

6913 Str 30/89 ATCC, "43920". Type strain. (Medium 2 37C)

Lactococcus sp.

Group N

Str 16/71 RU, "B 209". (Medium 2 37C)

6914 17/71 RU, "C 559". Preparation of group N antiserum. (Medium 2 37C)

Leclercia adecarboxylata (Leclerc) Tamura et al.

6466 Eb 21/83 ATCC, "23216" (Enterobacter agglomerans, Escherichia adecarboxylata). Drinking water. Type strain. (Medium 1 37C)

Legionella bozemanii Brenner et al.

Serogroup 1



LE 1/89 ATCC, "33217". Lung tissue. Type strain.(Medium 31 37C, CO<sub>2</sub>)  
 Serogroup 2  
 LE 2/89 ATCC, "35545". Lung aspirate. (Medium 31 37C, CO<sub>2</sub>)

Legionella brunensis wilkinson et al.

LE 3/89 ATCC, "43878". (Medium 31 37C, CO<sub>2</sub>)

Legionella dumoffii Brenner et al.

LE 4/89 ATCC, "33279". Cooling tower. Type strain.(Medium 31 37C, CO<sub>2</sub>)

Legionella gormanii Morris et al.

LE 5/89 ATCC, "33297". Soil from a creek bank. Type strain. (Medium 31 37C, CO<sub>2</sub>)

Legionella micdadei Hebert et al.

LE 6/89 ATCC, "33218" (*Tatlockia micdadei*). Human blood via yolk sac. Type strain.(Medium 31 37C, CO<sub>2</sub>)

Legionella moravica Wilkinson et al.

LE 7/89 ATCC, "43877". (Medium 31 37C, CO<sub>2</sub>)

Legionella pneumophila Brenner et al.

Serogroup 1

LE 8/89 ATCC, "33153". Human lung. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 2

LE 9/89 ATCC, "33154". Human lung. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 3

LE 10/89 ATCC, "33155". Creek water. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 4

LE 11/89 ATCC, "33156" (*Legionella pneumophila* subsp. *fraseri*). Human lung. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 5

LE 12/89 ATCC, "33216".(*Legionella pneumophila* subsp. *fraseri*). Cooling tower. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 6

LE 13/89 CDC<sub>1</sub>. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 7

LE 14/89 ATCC, "33823". Showerhead. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 8

LE 15/89 ATCC, "35096". Human lung. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 9

LE 16/89 ATCC, "35289". Tap water. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 10

LE 17/89 ATCC, "43283". Respiratory tract secretion. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 11

LE 18/89 ATCC, "43130". Human endotracheal tube. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 12

LE 19/89 ATCC, "43290". Human lung tissue. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 13

LE 20/89 ATCC, "43736". Lung aspirate. (Medium 31 37C, CO<sub>2</sub>)

Serogroup 14

LE 21/89 ATCC, "43703". Bronchial aspirate. (Medium 31 37C, CO<sub>2</sub>)

Leminorella grimontii Hickman-Brenner et al.

6475	Eb 42/88	E.Aldová, IHE, "25717" - COC, "3244--76", ATCC, "43005". Urine (Hawaii).(Medium 2 37C)
	43/88	E.Aldová, "25718" -CDC,"2357-76". Stool (California). (Medium 2 37C)
6467	44/88	E.Aldová, "25720" - CDC, "0301-79". Stool (Maryland). (Medium 2 37C)
6468	45/88	E.Aldová, "25721" -CDC,"1944-81", ATCC, "33999". Stool (Hawaii). Type strain.(Medium 2 37C)

Leminorella richardii Hickman-Brenner et al.

6469	Eb 47/88	E.Aldová, IHE, "25724" - CDC, "2502-80:" ATCC, "43011". Stool (Texas). (Medium 2 37C)
6470	48/88	E.Aldová, "25725" - CDC,"0978-82", ATCC, "33998". Stool (Texas). Type strain.(Medium 2 37C)

Leminorella sp. 3

6476	Eb 49/88	E.Aldová, IHE, "25726" - CDC, "3346-72", ATCC, "43012". Stool (Georgia). (Medium 2 37C)
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Leptospira interrogans (Stimson) Wenyon Serogroup AUSTRALIS (1937)

Serovar australis

Ballico Man, Australia. Reference strain

Serovar bajan

Toad 60 Reference strain

Serovar bratislava

Jež-Bratislava Hedgehog, ČSSR. Reference strain

Serovar fugis

Fudge Man, Malaya. Reference strain

Serovar hawain

LT 62-68 Reference strain

Serovar jalna

Jalná Apodemus flavicollis, ČSSR. Reference strain

Serovar lora

Lora Man, Italy. Reference strain

Serovar muenchen

Miinchen C 90 Man, Germany. Reference strain

Serovar nicaragua

1011 Reference strain

Serovar peruviana

V 42 Reference strain

Serovar pina

LT 932 Reference strain

Serovar ramisi

Musa Kenya. Reference strain

Serovar rushan

507 Reference strain

Serovar soteropolitana

R 93 Reference strain

SerogroupAUTUMNALIS (1923)

Serovar alice

Alice Reference strain

Serovar autumnalis

Akiyami A Man, Japan. Reference strain

Serovar bangkinang

	Bangkinang I	Man, Indonesia. Reference strain
Serovar bim		
1051		Reference strain
Serovar bulgarica		
	Nicolaevo	Man, Bulgaria. Reference strain
Serovar butembo		
	Butembo Man, Congo.	Reference strain
Serovar carlos		
C 3		Reference strain
Serovar erinaceiauriti		
	Erinaceus auritus 670	Hedgehog, USSR. Reference strain
Serovar fortbragg		
	Fort Bragg	Man, USA. Reference strain
Serovar lambwe		
	Lambwe	Reference strain
Serovar mooris		
	Moore's	Man, Malaya. Reference strain
Serovar mujunkumi		
EZ 237		Reference strain
Serovar rachmati		
	Rachmat	Man, Indonesia. Reference strain
Serovar srebarna		
1409/69		Reference strain
Serovar weerasinghe		
	Weeraśnghe	Reference strain
SerogroupBALLUM (1944)		
Serovar arborea		
	Arborea	Apodemus sylvaticus, Italy. Reference strain
Serovar ballum		
Mus 127		Mus musculus, -Denmark. Reference strain
Serovar ballum 3		
1853		Reference strain
Serovar castellanis		
	Castellon 3	Man, Spain. Reference strain
Serovar kenya		
	N jenga	Reference strain
Serovar peru		
M W 10		Reference strain
SerogroupBATAVIAE (1926)		
Serovar argentiniensis		
	Pedulo	Reference strain
Serovar balboa		
735 U		Reference strain
Serovar bataviae		
Swart		Reference strain
Serovar brasiliensis		
An 776		Reference strain
Serovar claytoni		
1348 U		Reference strain
Serovar djatzi		

HS 26	Man, Puerto Rico. Reference strain
Serovar kobbe	
CZ 320	Proechimys, Panama. Reference strain
Serovar losbanos	
LT 101-69	Reference strain
Serovar paidjan	
	Paidjan Man, Indonesia. Reference strain
Serovar rioja	
M 12	Reference strain
Serovar santarosa	
LT 21-74	Reference strain
Serogroup <u>CANICOLA</u> (1933)	
Serovar bafani	
Bafani	Man, Congo. Reference strain
Serovar benjamini	
Benjamin	Man, Indonesia. Reference strain
Serovar bindjei	
	Bindjei Man, Indonesia. Reference strain
Serovar broomi	
	Patane Man, Australia. Reference strain
Serovar canicola	
	Hond Utrecht IVDog, The Netherlands. Reference strain
Serovar galtoni	
LI 1014	Bovine, Argentina. Reference strain
Serovar jonsis	
	Jones Man, Malaya. Reference strain
Serovar kamituga	
	Kamituga Man, Congo. Reference strain
Serovar kuwait	
136/2/2	Reference strain
Serovar malaya	
H 6	Man, Malaya. Reference strain
Serovar portlandvere	
M Y 1039	Reference strain
Serovar schueffneri	
	Vleermuis 90 C Bat, Indonesia. Reference strain
<u>Leptospira interrogans</u> (Stimson) Wenyon	
Serovar sumneri	
Sumner	Man, Malaya. Reference strain
Serogroup <u>CELLEDONI</u> (1956)	
Serovar anhoa	
LT 90-68	Man, Vietnam. Reference strain
Serovar celledoni	
	Celledoni Man, Australia. Reference strain
Serovar hainan-whitcombi (hainan) 6712	Reference strain
Serovar javanica 4 (mengdeng) M6906	Reference strain
Serovar whitcombi	
	Whitcomb Man, Malaya. Reference strain
Serogroup <u>CYNOPTERI</u> (1939)	

	Serovar cynopteri	
3522 C	Bat, Indonesia. Reference strain	
Serovar tingomaria		
M 13	Reference strain	
Serogroup <u>DJASIMAN</u> (1939)	Serovar agogo	
	Agogo Reference strain	
Serovar djasiman		
	Djasiman	Man, Indonesia. Reference strain
Serovar gurungi		
	Gurung	Man, Malaya. Reference strain
Serovar huallaga		
M 7	Reference strain	
Serovar sentot		
	Sentot	Man, Indonesia. Reference strain Serogroup <u>GRIPPOTYPHOSA</u> (1928)
Serovar canalzonae		
CZ 188	Proechimys, Panama. Reference strain	
Serovar grippotyphosa		
	Moskva V.	Man, USSR. Reference strain
Serovar huanuco		
M 4	Reference strain	
Serovar muelleri		
RM 2	Rat, Malaya. Reference strain	
Serovar ratnapura		
	Wumalasena	Reference strain
Serovar valbuzzi		
	Valbuzzi	Man, Australia. Reference strain Serovar vanderhoedeni
	Kipod 179	Hedgehog, Israel. Reference strain Serogroup <u>HEBDOMADIS</u> (1918)
Serovar borincana		
HS 622	Man, Puerto Rico. Reference strain	
Serovar goiano		
Bovino 131	Reference strain	
Serovar hebdomadis		
	Hebdomadis	Man, Japan. Reference strain
Serovar jules		
	Jules	Man, Congo. Reference strain
Serovar kabura		
	Kabura	Man, Congo. Reference strain

Serovar kambale

Kambale Man, Congo. Reference strain

Serovar kremastos	Kremastos	Man, Australia. Reference strain
Serovar maru		
CZ 285	Proechimys,	Panama. Reference strain
Serovar nona	Nona	Man, Congo. Reference strain
Serovar sanmartini		
CT 63	Reference strain	
Serovar worsfoldi	Worsfold Man,	Malaya. Reference strain
Serogroup <u>ICTEROHAEMORRHAGIAE</u> (1915)		
Serovar birkini	Birkin	Man, Malaya. Reference strain
Serovar bogvere		
LT 60-69	Reference strain	
Serovar copenhageni		
M 20	Man, Denmark.	Reference strain
Serovar dakota	Grand River	Water, USA. Reference strain
Serovar gem	Simon	Reference strain
Serovar icterohaemorrhagiae	RGA	Man, France. Reference strain
Serovar lai	Lai	Reference strain
Serovar mankarso	Mankarso	Man, Indonesia. Reference strain
Serovar mwogolo	Mwogolo	Man, Congo. Reference strain
Serovar naam	Naam	Man, Indonesia. Reference strain
Serovar ndahambukuje	Ndahambukuje	Man, Congo. Reference strain
Serovar ndambari	Ndambari	Man, Congo. Reference strain
Serovar smithi	Smith	Man, Malaya. Reference strain
Serovar tonkini		
LT 96-68	Reference strain	
Serogroup <u>JAVANICA</u> (1938)		
Serovar A 85 (mengla)		
A 85	Reference strain	
Serovar ceylonica	Piyasena	Reference strain
Serovar coxi	Cox	Man, Malaya. Reference strain
Serovar dehong		
De 10	Reference strain	
Serovar fluminense		
Aa 3	Reference strain	

Serovar javanica  
 Veldrat Batavia 46 Rat, Indonesia. Reference strain

Serovar menoni  
 Kerala Reference strain

Serovar menrun  
 A 102 Reference strain

Serovar poi  
 Poi Man, Italy. Reference strain

Serovar sofia  
 Sofia 874 Man, Bulgaria. Reference strain

Serovar sorexjalna  
 Sorex Jalná Sorex araneus, ČSSR. Reference strain

Serovar vargonicas  
 24 Reference strain

Serovar yáan  
 80-27 Reference strain

Serogroup LOUISIANA (1964)

Serovar lanka  
 R 740 Reference strain

Serovar louisiana  
 LSU 1945 Dasypus nov., USA. Reference strain

Serovar orleans  
 LSU 2580 Myocastor coypus, USA. Reference strain

Serogroup MANHAO (1978)

Serovar lincang  
 L 14 Reference strain

Serovar manhao 2  
 L 105 Reference strain

Serovar manhao 4  
 Li 130 Reference strain

Serogroup MINI (1941)

Serovar beye  
 1537 U Reference strain

Serovar georgia  
 LT 117 Procyon lotor, USA. Reference strain

Serovar mini  
 Sari Man, Italy. Reference strain

Serovar perameles  
 Bandicoot 343 Perameles, Australia. Reference strain

Serovar ruparupae  
 M 3 Reference strain

Serovar szwajizak  
 Szwajizak Man, Australia. Reference strain

Serovar tabaquite  
 TRVI 3214 Man, Trinidad. Reference strain

Serogroup PANAMA (1966)

Serovar cristobali  
 1996 K Reference strain

Serovar mangus  
 T R VL/C A R E C 137774 Reference strain



## Serovar panama

CZ 214                      Didelphis marsupialis, Panama. Reference strain

Serogroup POMONA (1937)

## Serovar kunming

K 5                              Reference strain

## Serovar mozdok

5621                             Reference strain

## Serovar pomona

Pomona                        Man, Australia. Reference strain

## Serovar proechimys

1161 U                         Reference strain

## Serovar tropica

CZ 299                         Proechimys, Panama. Reference strain

## Serovar tsaratsovo

B 81/7                         Reference strain

Serogroup PYROGENES (1923)

## Serovar abramis

Abraham                        Man, Malaya. Reference strain Serovar alexi

HS 616                         Man, Puerto Rico. Reference strain

## Serovar biggis                      Man, Malaya. Reference strain. Biggs

## Serovar camlo

LT 64-67                        Reference strain Serovar guaratuba

An 7705                         Reference strain Serovar hamptoni

Hampton                        Man, Malaya. Reference strain Serovar kwale

Julu                                Kenya. Reference strain Serovar manilae

LT 398                         Rat, Philippines. Reference strain

## Serovar myocastoris

LSU 1551                        Myocastor coypus, USA. Reference strain Serovar princeton

TRVL 112499                    Reference strain Serovar pyrogenes

Salinem  
strain                             Man, Indonesia. Reference

## Serovar robinsoni

Robinson  
strain                             Man, Australia. Reference

## Serovar varela

1019                             Reference strain Serovar zanoni

Zanoni  
strain                             Man, Australia. Reference

Serogroup RANARUM (1972)

Serovar evansi	
267-1348	Reference strain Serovar ranarum
I C F	Reference strain Serogroup <u>SARMIN</u> (1939)
Serovar machiguenga	
M M D 3	Reference strain Serovar rio
Rr 5	Reference strain Serovar sarmin
Sarmin	Reference strain Serovar waskurin
LT 63-68	Reference strain Serovar weaveri
CZ 390	Reference strain
Serogroup <u>SEJROE</u> (1938)	
Serovar balcanica	
1627 Burgas	Man, Bulgaria. Reference strain
Serovar caribe	
TRVL 61866	Reference strain
Serovar dikkeni	
	Mannuthi Bandiccot, India. Reference strain
Serovar geyaweera	(Jeyaweera) Geyaweera Reference strain
Serovar gorgas	
1413 U	Reference strain
Serovar guaricura	
	Bov. G. Reference strain
Serovar haemolytica	
	Marsh Man, Malaya. Reference strain
Serovar hardjo	
	Hardjoprajitno Man, Indonesia. Reference strain
Serovar istribica	
	Bratislava Apodemus flavicollis, ĀSSR. Reference strain
Serovar medanensis	
	Hond HC Dog, Indonesia. Reference strain
Serovar nyanza	
	Kibos Kenya. Reference strain
Serovar polonica	
	493 Poland Hedgehog, Poland. Reference strain
Serovar recreo	
380	Reference strain
Serovar ricardi	
	Richardson Man, Malaya. Reference strain
Serovar romanica	
LM 294	Mus musculus, Romania. Reference strain
Serovar saxkoebing	
Mus 24	Apodemus flavicollis, Denmark. Reference strain
Serovar sejroe	
M 84	Man, Denmark. Reference strain
Serovar trinidad	
TRVL 34056	Reference strain

Serovar wolffi	
3705	Man, Indonesia. Reference strain
Serogroup <u>SHERMANI</u> (1982)	
Serovar aguaruna	
M W 4	Reference strain
Serovar babudieri	
CI 40	Reference strain
Serovar carimagua	
9160	Reference strain
Serovar luis	
M 6	Reference strain
Serovar shermani	
1342 K	Reference strain
Serogroup <u>TARASSOVI</u> (1941)	
Serovar atchafalaya	
LSU 1013	Didelphis marsupialis, USA. Reference strain
Serovar atlantae	
LT 81	Didelphis marsupialis, USA. Reference strain
Serovar bakeri	
LT 79	Didelphis marsupialis, USA. Reference strain
Serovar bravo	
Bravo	Man, Panama. Reference strain
Serovar chagres	
1913 K	Reference strain
Serovar darien	
637 K	Reference strain
Serovar gatuni	
1473 K	Reference strain
Serovar guidae	
RP 29	Swine, Brazil. Reference strain
Serovar kanana	
Kanana	Reference strain
Serovar kaup	
LI 64-68	Reference strain
Serovar kisuba	
Kisuba	Man, Congo. Reference strain
Serovar langati	
M 39090	Reference strain
Serovar mogdeni	
C o m pton 746	Reference strain
Serovar navet	
TRVL 109873	Reference strain
Serovar rama	
316	Reference strain
Serovar tarassovi	
Perepelicyn	Reference strain-
Serovar sulzeriae	
LT 82	Reference strain
Serovar tunis	
P 2/65	Swine, Tunis. Reference strain

Serovar vughia  
 LT 89-68 Reference strain

Leptospira biflexa (Walbach and Binger) Noguchi  
 Serogroup ABAETE (1974)

Serovar abaete  
 Abaete Reference strain

Serogroup ANCONA (1972)

Serovar ancona  
 Ancona Porto Reference strain

Serogroup ANDAMANA (1970)

Serovar andamana  
 CH 11 Man, Andamanas. Reference strain

Serovar bovedo  
 Bovedo Water, Italy. Reference strain

Serovar maintenon  
 M aintenon Reference strain

Serogroup AURISINA (1970)

Serovar aurisina  
 Aurisina Water, Italy. Reference strain

Serovar farneti  
 Farneti Water, Italy.

Serogroup BEBRICH (1975)

Serovar bebrich  
 B 1062 Reference strain

Serogroup BASOVIZZA (1970)

Serovar basovizza  
 Basovizza Water, Italy. Reference strain

Serovar sangiusto  
 San Giusto Water, Italy. Reference strain

Serogroup BESSEMANS (1972)

Serovar bessemans  
 Besse m ans Reference strain

Serogroup BOTANICA (1970)

Serovar botanica  
 Botanica Water, Italy. Reference strain

Serovar montefiascone  
 Monte Fiascone 2 Water, Italy. Reference strain

Serogroup CAU (1970)

Serovar cau  
 Cau Water. Reference strain

Serovar khera  
 Khera 10 Reference strain

Serogroup CODICE (1972)

Serovar cdc  
Biflaxa C D C Reference strain

Serovar piraja  
 Piraja Reference strain

Serogroup DINDIO (1972)

Serovar dindio  
 Dindio Reference strain

Serogroup DOBERDO (1970)

Serovar doberdo  
 Doberdo 1 Water, Italy. Reference strain

Serovar drahovce  
 v 2 Water, ČSSR. Reference strain

Serovar eleven  
 khera 11 Reference strain

Serovar isolasacra  
 Isola Sacra 1 Reference strain

Serovar rupino  
 RPE Water, Italy. Reference strain

Serogroup ERLANGER (1981)

Serovar erlanger  
 Erlanger Reference strain

Serogroup GARCIA (1974)

Serovar garcia  
 Garcia Reference strain

Serogroup GUERIGNY (1981)

Serovar guerigny  
 Guerigny Reference strain

Serogroup HOLLAND (1970)

Serovar holland  
 waz Holland Water, The Netherlands. Reference strain

Serovar lucaia  
 Lucaia Reference strain

Serovar piatan  
 Piatan Reference strain

Serovar roma  
 AM 6 Water, Italy. Reference strain

Serovar tredici  
 AM 13 Water, Italy. Reference strain

Serovar wild  
 wild c Reference strain

Serovar zoo  
 v 7/2 Reference strain

Serogroup IRAN 1 (1969)

Serovar iran  
 Iran 1 Reference strain

Serogroup KHOSHAMIAN (1969)

Serovar khoshamian  
 khoshamian Water, Iran. Reference strain

Serovar tokyo  
 Tokyo Reference strain

Serogroup LAZIO (1972)

Serovar lazio  
 A M 8 Reference strain

Serovar latienne

Thu-Duc                    Reference strain  
 Serogroup MALOMIROVO (1975)  
 Serovar malomirovo  
     B 24                    Reference strain  
 Serogroup MAROCCO (1981)  
 Serovar marocco  
     Maroc II                Reference strain  
 Serogroup MARITZA (1971)  
 Serovar maritza  
     Bulgaria 16            Reference strain  
 Serovar valderio  
     Friuli 37               Reference strain  
 Serogroup MUGGIA (1974)  
 Serovar muggia  
     M uggia                Reference strain  
 Serogroup NOMENTANO (1972)  
 Serovar nomentano  
     Nomentano             Reference strain  
 Serogroup ONDINA (1974)  
 Serovar ondina  
     Undina                 Reference strain  
 Serogroup ORVENCO (1972)  
 Serovar orvenco  
     Friuli 44              Water, Italy. Reference strain  
 Serogroup OVED (1981)  
 Serovar oved  
     Oved-NuFis             Reference strain  
 Serogroup PARAPATAN (1972)  
 Serovar parapatan  
     Parapatan              Reference strain  
 Serogroup PERCEDOL (1970)  
 Serovar percedol  
     Percedol1              Water. Reference strain  
 Serogroup POONA (1977)  
 Serovar poona  
     Poona                    Reference strain  
 Serogroup PULPUDEVA (1971)  
 Serovar canela  
     Canela                 Reference strain  
 Serovar fons  
     Fons                     Reference strain  
 Serovar jequitaia  
     Jequitaia               Reference strain  
 Serovar pulpudeva  
                                  Bulgaria 6                    Water, Bulgaria. Reference strain  
 Serogroup SEMARANGA (1961)  
 Serovar montevalerio  
     Monte Valerio            Water, Italy. Reference strain  
 Serovar patoc  
     Patoc 1                 Water, Italy. Reference strain

## Serovar saopaulo

Sao Paulo Water, Brazil. Reference strain

## Serovar semaranga

Veldrat S.173 Rat, Indonesia. Reference strain

Serogroup SOBRADINHO (1974)

## Serovar sobradinho

Sobradinho Reference strain

Serogroup TEVERE (1970)

## Serovar tevere

AR 18 Water, Italy. Reference strain

Serogroup THRACIA (1971)

## Serovar thracia

Bulgaria 4 Reference strain

Serogroup TORORO (1974)

## Serovar tororo

Tororo Reference strain

Serogroup UDINE (1972)

## Serovar udine

Friuli 48 Water, Italy. Reference strain

Serogroup VINZENT (1974)

## Serovar vinzent

Vinzent Reference strain

Leptotrichia buccalis (Robin) Trevisan

An 9/80 A.Hudáč, VÚPL. Bronchitis "683/80". (Medium 11 37C, Anaerobic)

Leuconostoc mesenteroides subsp. mesenteroides (Tsenkovskii)

van Tieghem

6462 9 CCM,"1803" - ATCC, "8293". Producer of dextran C. Type strain.(Medium 14,15 37C)

Listeria denitrificans see Jonesia denitrificansListeria grayi Errebo Larsen and Seeliger

Li 70/89 E.Menčíková, ÚLMI KU - J.Rocourt,IP, CIP,"6818". (Medium 2 37C) Type strain ATCC19120

Listeria grayi Errebo Larsen and Seeliger

6505 Li 31/72 Donker-Voet, IBRU, "Seeliger". Sera-var (III),XII,XIV E. (Medium 2 37C)

Listeria innocua Seeliger

Li 32/7 E.Menčíková, ÚLMI KU - E.Elischerová, VUEM. Isolated from plants by J.H. Welshimer,"S-12". Serovar 6a.(Medium 2 37C)

36/88 B.Skalka, VŠV - K.Elischerová. Meat "2-M/73". (Medium 2 37C)

37/88 B.Skalka - K.Elischerová. Manure "J-37". (Medium 2 37C)

38/88 B.Skalka - K.Elischerová. Manure "J-209". (Medium 2 37C)

48/88 K.Elischerová. Clethrionomys glareolus, intestinal content "6031". Serovar 6a. (Medium 2 37C)

49/88 K.Elischerová. Microtus arvalis, intestinal content "6068". Serovar 6a. (Medium 2 37C)

71/89 E.Menčíková - J.Rocourt, IP, CIP, "8011". (Medium 2 37C)

Listeria ivanovii Seeliger et al.6507 Li 28/72 Donker-Voet,IBRU,"Iwanow 6613" (Listeria monocytogenes serovar 5).(Medium 2 37C)

6915 39/88 B.Skalka, VŠV - K.Elischerová, VÚPL. Sheep rectum "Z-698/78". (Medium 2 37C)

6916 40/88 K.Elischerová. Pork "39-H". (Medium 2 37C)

6508	41/88	K.Elischerová. Lochia after stillbirth "426". (Medium 2 37C)
6917	42/88	K.Elischerová. Stool from clinically healthy male "14-d". (Medium 2 37C)
6918	43/88	K.Elischerová. <i>Clethrionomys glareolus</i> , intestinal content from the distal portion of ileum "3915". (Medium 2 37C)
6919	44/88	K.Elischerová. <i>Apodemus flavicollis</i> , intestinal content "4145". (Medium 2 37C)
6920	45/88	K.Elischerová. <i>Apodemus flavicollis</i> , intestinal content "4952". (Medium 2 37C)
6921	46/88	K.Elischerová. Stool from clinically healthy pregnant woman "362". (Medium 2 37C)
6922	47/88	K.Elischerová. <i>Apodemus flavicollis</i> , intestinal content "6215". (Medium 2 37C)
6509	72/89	E.Menšíková, ÚLMI KU-J.Rocourt, IP, CIP, "842-F". (Medium 2 37C)

Listeria monocytopenes (Murray et al.) Pirie

5166	Li 1/44	I.Málek, SZÚ. Tonsils, 1944. Serovar 1/2. (Medium 2 37C)
6510	2/52	R.Benda, ÚLMI KU. Nodules in liver of neonated. Serovar 1/2. (Medium 2 37C)
6503	3/53	F.Patočka, R.Benda, ÚLMI KU. Neonatal listeriosis "2". Serovar 1/2. (Medium 2 37C)
6923	4/53	F.Patočka, R.Benda. Neonatal listeriosis "3". Serovar 1/2. (Medium 2 37C)
6924	5/53	F.Patočka, R.Benda. Neonatal listeriosis "4". Serovar 1/2. (Medium 2 37C)
6925	6/53	F.Patočka, R.Benda. Neonatal listeriosis "8". Serovar 1/2. (Medium 2 37C)
6926	7/53	E.Menčíková, ÚLMI KU. Neonatal listeriosis "10". Serovar 1/2. (Medium 2 37C) ref56
6927	8/53 9/54	E.Menčíková. Neonatal listeriosis "Buryš". Serovar 1/2. (Medium 2 37C) ref56 J.Zahradnický, ÚEM. Tonsils "8972". (Medium 2 37C)
6928	10/54	J.Seeman, ÚEM. Brown rat "46". (Medium 2 37C)
6929	11/55	J.Seeman. Spleen of <i>Clethrionomys glareolus</i> "381". (Medium 2 37C)
6516	12/55 13/55	J.Seeman. Human spinal fluid "1303". (Medium 2 37C) J.Stastná, University Children's Hospital, Praha. Neonatal listeriosis. (Medium 2 37C)
	18/57	J.Duben, OHS, Havlíčkův Brod. Amniotic fluid "14431". (Medium 2 37C)
6504	20/61	M.Neubauer, OHS, Havlíčkův Brod. Spinal fluid (meningoencephalitis) "10107-K/60". (Medium 2 37C)
6511	14/57	H.Seeliger, HI, Bonn, FRG - J.S.Paterson, NCTC, "7973", ATCC, "19111". Poultry. Serotype 1. (Medium 2 37C)
6512	15/57 37C)	J.S.Paterson, NCTC, "5348", ATCC, "19112". Spinal fluid of man. Serotype 2. (Medium 2 37C)
6517	16/57	J.S.Paterson, NCTC, "5105", ATCC, "19113". Human. Serotype 3. (Medium 2 37C)
6513	17/57	J.S.Paterson, NCTC, "5214", ATCC, "19114". Listeriosis. Serotype 4a. (Medium 2 37C)
6527	19/58	E.Menčíková - J.S.Paterson, "1071", NCTC, "10527", ATCC, "13932". Spinal fluid of child with meningitis. Serotype 4b. (Medium 2 37C)
	21/72	Oonker-Voet, IBRU, "2459". Serovar 1/2a I,II(III) AB. (Medium 2 37C)
	22/72	Donker-Voet, "1684". Serovar 1/2b I,II(III) ABC. (Medium 2 37C)
6528	15/72	NCTC, "5348", ATCC, "19112". Other line of strain Li 15/57. Serovar 1/2c I,II(III) BO. (Medium 2 37C)
6533	16/72	NCTC, "5105", ATCC, "19113". Serovar 3a II,IV(III) AB. (Medium 2 37C)
1860	23/72	Oonker-Voet, "L 461". Serovar 3b II,IV(III) ABC. (Medium 2 37C)
	24/72	Donker-Voet, "1916". Serovar 3c II, IV(III) SD. (Medium 2 37C)
6529	17/72	NCTC, "5214", ATCC, "19114". Other line of strain Li 17/57. Serovar 4a (II),V,VII,IX ABC. (Medium 2 37C)
	25/72	Donker-Voet, "F 4". Serovar 4b (III), V,IV. (Medium 2 37C)
	26/72	Donker-Voet, "10". Serovar 4c (III), V,VII. (Medium 2 37C)
	37C)27/72	Donker-Voet, "21". Serovar 4d (III), (V),VI,VIII ABC. (Medium 2 37C)
	30/72	Donker-Voet, "1627". Serovar 7 (III), XII,XIII ABC. (Medium 2 37C)
	33/88	B.Skařka, VŠV - K.Elischerová, VÚPL. Stool "53/74". Serovar 1/2. (Medium 2 37C)
Li	34/88	B.Skařka. Gosling liver "L-10". Serovar 1/2. (Medium 2 37C)
	35/88	B.Skařka - K.Elischerová. Stool "713/72". Serovar 4b. (Medium 2 37C)



57/89		E.Menčíková. Neonatal listeriosis "LMe 11" (1953). Serovar 1. (Medium 2 37C)
58/89		E.Menčíková. Neonatal listeriosis "LMe 16" (1953). Serovar 1. (Medium 2 37C)
59/89		E.Menčíková. Neonatal listeriosis "LMe 17" (1953). Serovar 1. (Medium 2 37C)
60/89		E.Menčíková. Neonatal listeriosis "LMe 19" (1953). Serovar 1. (Medium 2 37C)
61/89		E.Menčíková. Neonatal listeriosis "LMe 21" (1954). Serovar 1. (Medium 2 37C)
62/89		E.Menčíková. Neonatal listeriosis "LMe 22" (1954). Serovar 1. (Medium 2 37C)
6518	63/89 37C)	E.Menčíková. Listeriosis cutis "LMe 3A/56" (1956). Serovar 1. (Medium 2
	64/89	E.Menčíková. Neonatal listeriosis lochia "LMe 31" (1955). Serovar 1. (Medium 2 37C)
6519	65/89	E.Menčíková, J.Novák, Kožní klinika (Clinics of Dermatovenereal Diseases), Praha, ČSSR. Listeriosis cutis "LMe Pi" (1955). Serovar 1. (Medium 2 37C)
	66/89	E.Tesaříková, ÚLMI KU. Haemoculture, neonatal listeriosis "7316:" (1984). (Medium 2 37C)
1880	67/89	E.Tesaříková. Lochia "7316". (Mother) (1984). (Medium 2 37C)
6521	68/89	L.Míková, KHS, České Budějovice. Haemoculture "3065" (1989). (Medium 2 37C)
	73/89	D.Gubran, J.Šnirc, Bioveta, Nitra, ČSSR. Sheep meningoencephalitis "3654" (1982). Serovar 1/2a. (Medium 2 37C)
	74/89	D.Gubran, J.Šnirc. Lamb meningoencephalitis "3499" (1981). Serovar 1/2a. (Medium 2 37C)
	75/89	D.Gubran, J.Šnirc. Lamb meningoencephalitis "4640" (1982). Serovar 1/2a. (Medium 2 37C)
	76/89	D.Gubran, J.Šnirc. Sheep meningoencephalitis "13221" (1982). Serovar 1/2a. (Medium 2 37C)
	77/89	D.Gubran, J.Šnirc. Sheep meningoencephalitis "PH359" (1983). Serovar 1/2a. (Medium 2 37C)
	78/89	D.Gubran, J.Šnirc. Sheep meningoencephalitis "PH367" (1983). Serovar 1/2a. (Medium 2 37C)
	79/89	D.Gubran, J.Šnirc. Lamb meningoencephalitis "S626" (1983). Serovar 1/2a. (Medium 2 37C)
	80/89	D.Gubran, J.Šnirc. Sheep meningoencephalitis "2933" (1983). Serovar 1/2a. (Medium 2 37C)
1890	81/89 37C)	D.Gubran, J.Šnirc. Sheep meningoencephalitis "5259" (1983). Serovar 1/2a. (Medium 2
	82/89	D.Gubran, J.Šnirc. Sheep meningoencephalitis "3500" (1981). Serovar 4a. (Medium 2 37C)
	83/89	D.Gubran, J.Šnirc. Sheep meningoencephalitis "SK486" (1983). Serovar 4b. (Medium 2 37C)

Listeria murrayi Welshimer and Meredith

6526	Li 69/89	E.Menčíková, ÚLMI KU - J.Rocourt, IP, CIP, "76124". (Medium 2 37C) ATCC25401m, type strain
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Listeria seeligeri Rocourt and Grimont

6524	Li 29/72	Donker-Voet, IBRU, "1383". Serovar 4a. (Medium 2 37C)
	50/88	K.Elischerová, VÚPL. Clethrionomys glareolus, intestinal content "5806". Serovar 6b. (Medium 2 37C)
6930	51/88 37C)	K.Elischerová. Clethrionomys glareolus, intestinal content "5896". Serovar 1/2. (Medium 2
	52/88	K.Elischerová. Apodemus sylvaticus, intestinal content "5463". (Medium 2 37C)
	53/8	K.Elischerová. Sorex araneus, intestinal content "5612". (Medium 2 37C)
6525	55/88	E.Menčíková, ÚLMI KU - J.Rocourt, IP, CIP, "100/100", ATCC, "35967". Type strain. Serovar 1/2b. (Medium 2 37C)

Listeria welshimeri Rocourt and Grimont

6523	Li 54/88	K.Elischerová, VÚPL - H.Seeliger, Wiirzburg, FRG, SLCC, "5334", CIP, "8149", ATCC, "35897". Type strain. Serotype 6b. (Medium 2 37C)
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Listonella damsela

6663 56/87 D.J.Brenner, CDC<sub>1</sub> (*Vibrio damsela*). Nose wound in man "2227-81". (Medium 2 20C)

Micrococcus luteus (Schroeter) John

- M 7/43 SZÚ, "12281" (*Micrococcus flavus*). (Medium 2 37C)  
 5/48 SZÚ (*Sarcina aurantiaca*). Goose, "7135". (Medium 2 37C)  
 6/49 SZÚ, "5232" (*Sarcina aurantiaca*). (Medium 2 37C)  
 Sar 4/49 SZÚ (*Sarcina flava*). Atmosphere "3317". (Medium 2 37C)  
 1/40 SZÚ, "7449" (*Sarcina lutea*). (Medium 2 37C) 2/44 SZÚ, "114327" (*Sarcina lutea*). (Medium 2 37C)  
 3/48 SZÚ, "769" (*Sarcina lutea*). (Medium 2 37C)
- 5540 8/58 ATCC, "10240", NCTC, "7743" (*Micrococcus flavus*). Cylinder-plate assay of bacitracin in body fluids, feeds, milk and pharmaceutical preparations. (Medium 2 37C)  
 6931 9/60 Glaxo, "C 504" (*Micrococcus flavus*). Assay of bacitracin. (Medium 2 37C)  
 6932 10/60 Glaxo, "C 504 NR" (*Micrococcus flavus*). For bacitracin-neomycin mixture assay. (Medium 2 37C)  
 6599 15/65 M.Kocur, CCM, "169" - ATCC, "4698", same as ATCC, "15307", NCTC, "2665" (*Micrococcus lysodeikticus*). Testing lysozyme. Neotype. Phage host. (Medium 2 37C)  
 5039 5/58 ATCC, "9341" (*Kocuria rhizophila*). Cylinder-plate of antibiotics. (Medium 2 37C)  
 6601 Sar 7/63 W.W.Wright, Division of Antibiotics, Washington, "WHO 3" (*Sarcina lutea*). Reference strain for streptomycin assay. Media testing. (Medium 2 37C)  
 6603 9/67 V.Havlenová Lčívá (Drugs), Doľní Měcholupy, USSR - ATCC, "9341a" (PCI 1001/0) (*Sarcina lutea*). Dihydrostreptomycin and streptomycin resistant. (Medium 2 37C)  
 6933 12/73 F.Výmola, IHE - NCIB, "8553" (*Sarcina lutea*). For testing biological activity of tylosin. (Medium 2 37C)  
 6600 6/63 W.W.Wright, "WHO 1", ATCC, "7468" (*Sarcina subflava*). Cylinder-plate assay of bacitracin and chloramphenicol. Media testing. (Medium 2 37C)  
 6602 10/69 ATCC, "7468D" (*Sarcina subflava*). Cylinder-plate assay of bacitracin in pharmaceutical preparations; dihydrostreptomycin- and streptomycin-resistant. (Medium 2 37C)

Micrococcus nishinomiyaensis Oda

- M 17/77 J.F.G.Sabater, Hospital Militar, Sección de Bacteriología, Valencia, Spain, "CMHM 1.93.A". (Medium 2 37C)

Mobiluncus curtisii subsp. curtisii Spiegel and Roberts

- 6670 An 24/88 C.A.Spiegel, University of Wisconsin, Hospital and Clinics, Madison, USA, ATCC, "35241". Human vagina "345-16". Type strain. (Medium 27 37C, Anaerobic)  
 6665 An 25/88 C.A.Spiegel. Human vagina "105-4". (Medium 27 37C, Anaerobic)  
 26/88 C.A.Spiegel. Human vagina "67-5". (Medium 27 37C, Anaerobic)

Mobiluncus curtisii subsp. holmesii Spiegel and Roberts

- 6666 An 27/88 C.A.Spiegel, University of Wisconsin, Hospital and Clinics, Madison, USA, ATCC, "35242". Human vagina "376-6". Type strain. (Medium 27 37C, Anaerobic)  
 6671 An 28/88 C.A.Spiegel. Human vagina "34N". (Medium 27 37C, Anaerobic)  
 29/88 C.A.Spiegel. Human vagina "306-7". (Medium 27 37C, Anaerobic)

Mobiluncus mulieris Spiegel and Roberts

- An 30/88 C.A.Spiegel, University of Wisconsin, Hospital and Clinics, Madison, USA. Human vagina "2472". (Medium 27 37C, Anaerobic)

Moellerella wisconsensis Hickman-Brenner

6934	Eb	27/86	L.Kudrna, IHE - MHS, Košice. Ham foam "27223". (Medium 1 37C)
6935		28/86	L.Kudrna - MHS, Košice. Salame "27224". (Medium 1 37C)
6936		50/88	L.Kudrna. Poultry sausages "27472". (Medium 1 37C)
6937		51/88	L.Kudrna. Butcher é shop-cutting board swab "27625". (Medium 1 37C)
6938		52/88	L.Kudrna. Peritoneal exudate "28037". (Medium 1 37C)
<u>Moraxella bovis</u> (Hauduroy et al.) Murray			
5764	Mo	10/88	D.Kacovská, SVÚ, Český Brod. Keratoconjunctivitis of cattle. (Medium 26 37C)
		Mo 11/89	E.Aldová, IHE - M.Lávičková, ÚSVÚ, Praha, P.Vladík, SVU, České Budějovice. Eye of cattle "28639". (Medium 26 37C)
<u>Moraxella lacunata</u> (Eyre) Lwoff			
		Mo 8/78	J.Ouben, OHS, Havlíčkův Brod. Pharyngeal swab "2303/78". (Medium 26 37C)
<u>Moraxella nonliquefaciens</u> (Scarlett) Lwoff			
		Mo 1/57	M.Neubauer, OHS, Havlíčkův Brod. Nose "18680". (Medium 26 37C)
		2/64	M.Neubauer. Sinusitis "5086-K/64". (Medium 26 37C)
5763		3/64	M.Neubauer. Nose (otitis media) "3716/64K". (Medium 26 37C)
		4/64	M.Neubauer. Nose (acute pharyngitis) "3724/64K". (Medium 26 37C)
<u>Moraxella osloensis</u> Bovre and Henriksen			
5665	Mo	5/75	CCM, "5605" - ATCC, "19976". Cerebrospinal fluid. Type strain. (Medium 26 37C)
6939		9/78	ATCC, "15276" (Mima polymorpha subsp.oxidans). Spinal fluid. (Medium 26 37C)
<u>Psychrobacter phenylpyruvicus</u> Bovre and Henriksen			
5749	Mo	7/75	CCM, "5954" - ATCC, "23333". Blond. Neotype. (Medium 26 30C) type strain
<u>Morganelia morganii</u> (Winslow et al.) Fulton			
6587	Prm	1/37	SZÚ, "New Orleans". (Medium 1 37C)
		6/44	SZÚ, "Pasteur". (Medium 1 37C)
5295	Prm	58/87	ATCC, "8076h", NCTC, "235". Summer diarrhoea. Ceftazidim assay. Type strain. (Medium 1 37C)
		Prm 25/60	J.Sedlák, LFH KU - K.Rauss, EMI, "558". (Medium 1 37C)
Serovar 1a,b:2			
		Prm 26/60	K.Rauss, "366". (Medium 1 37C)
Serovar 1a,c:1			
		Prm 27/60	K.Rauss, "292/2". (Medium 1 37C)
Serovar 1a,d:3			
		Prm 28/60	K.Rauss, "702". (Medium 1 37C)
Serovar 1a,d:3,4			
		Prm 29/60	K.Rauss, "795". (Medium 1 37C)
Serovar 2:5			
		Prm 30/60	K.Rauss, "319/1". (Medium 1 37C)
Serovar 3:6			
		Prm 31/60	K.Rauss, "741". (Medium 1 37C)
Serovar 4:7			
		Prm 32/60	K.Rauss, "285". (Medium 1 37C)
Serovar 5:8,18			
		Prm 33/60	K.Rauss, "265a". (Medium 1 37C)
Serovar 6:9			

Prm 34/60 K.Rauss, "550". (Medium 1 37C)  
 Serovar 7:5  
 Prm 35/60 K.Rauss, "Czáko". (Medium 1 37C)  
 Serovar 8:1  
 Prm 36/60 K.Rauss, "429". (Medium 1 37C)  
 Serovar 9:16  
 Prm 37/60 K.Rauss, "352". (Medium 1 37C)  
 Serovar 10:14  
 Prm 38/60 K.Rauss, "449". (Medium 1 37C)  
 Serovar 11:10,13  
 Prm 39/60 K.Rauss, "1457". (Medium 1 37C)  
 Serovar 12:11  
 Prm 40/60 K.Rauss, "614". (Medium 1 37C)  
 Serovar 13:10,13  
 Prm 41/60 K.Rauss, "74/56". (Medium 1 37C)  
 Serovar 14:12,13  
 Prm 42/60 K.Rauss, "547". (Medium 1 37C)  
 Serovar 15:9  
 Prm 43/60 K.Rauss, "1644/56". (Medium 1 37C)  
 Serovar 16:11  
 Prm 44/60 K.Rauss, "369". (Medium 1 37C)  
 Serovar 17:8,18  
 Prm 45/60 K.Rauss, "618". (Medium 1 37C)  
 Serovar 18:-  
 Prm 46/60 K.Rauss, "958". (Medium 1 37C)  
 Serovar 19:5  
 Prm 47/60 K.Rauss, "658". (Medium 1 37C)  
 Serovar 20:10,13  
 Prm 48/60 K.Rauss, "52B". (Medium 1 37C)  
 Serovar 21:15  
 Prm 49/60 K.Rauss, "Pfeiffer". (Medium 1 37C)  
 Serovar 22:1  
 Prm 50/60 K.Rauss, "739". (Medium 1 37C)  
 Serovar 23:10,13  
 Prm 51/60 K.Rauss, "637". (Medium 1 37C)  
 Serovar 24:16  
 Prm 52/60 K.Rauss, "734". (Medium 1 37C)  
 Serovar 25:12,13  
 Prm 53/60 K.Rauss, "274". (Medium 1 37C)  
 Serovar 26:17,18  
 Prm 54/60 K.Rauss, "266/56". (Medium 1 37C)  
 Serovar 27:10,13  
 Prm 55/60 K.Rauss, "261/56". (Medium 1 37C)  
 Serovar 28:-  
 Prm 56/60 K.Rauss, "979". (Medium 1 37C)  
 Serovar 29/B:19  
 Prm 57/60 K.Rauss, "1594". (Medium 1 37C)

Mycobacterium africanum Castets et al.

My 230/80

ATCC, "25420". Expectorate from a Senegalese with pulmonary tuberculosis. Type strain. (Medium 16 37C)

Mycobacterium agri (Tsukamura) Tsukamura

My 246/80 M.Tsukamura, NCH, "90012", ATCC, "27406". Soil. Type strain. (Medium 16 37C)

Mycobacterium aichiense (Tsukamura) Tsukamura

My 249/80 M.Tsukamura, NCH, "49005", ATCC, "27280", NCTC, "10820". Soil. Type strain. (Medium 16 37C)

50/80 M.Tsukamura, NCH, "49004", ATCC, "27281". Soil. (Medium 16 37C)

251/80 M.Tsukamura, NCH, "49001". (Medium 16 37C)

Mycobacterium asiaticum Weiszfeiler et al.

My 231/80 ATCC, "25276". Indian monkey (*Macacus rhesus*). Type strain. (Medium 16 37C)

Mycobacterium aurum Tsukamura

My 245/80 M.Tsukamura, NCH, "15006", ATCC, "23366", NCTC, "10437". Soil. Type strain. (Medium 16 37C)

Mycobacterium austroafricanum Tsukamura, van der Muelen and Grabow

My 323/88 ATCC, "33464". Soil. Type strain. (Medium 16 37C)

Mycobacterium avium Chester

TBC<sub>a</sub> 3/50 L.Šula - TMC, "Kirchberg". (Medium 16 37C)

66/72 ATCC, "15769". Spleen of a tuberculous hen. (Medium 16 37C)

Mycobacterium duvalii Stanford and Gunthorpe

My 311/87 NCTC, "358", ATCC, "43910". Type strain. (Medium 16 37C)

Mycobacterium fallax Lévy-Frébault et al.

My 328/88 CIP, "8139", ATCC, "35219". Type strain. (Medium 16 37C)

Mycobacterium farcinogenes Chamoiseau

My 318/87 NCTC, "10955", ATCC, "35753". Lesion of bovine farcy. Type strain. (Medium 16 k 37C)

Mycobacterium flavescens Bojalil, Cerbón and Trujillo

My 191/75 TMC, "1541", ATCC, "14474". Guinea pigs with tuberculosis arrested by chemotherapy. Type strain. (Medium 16 37C)

Mycobacterium fortuitum de Costa Cruz

My 65/72 ATCC, "6841". Cold abscess. Type strain. (Medium 16 37C)

210/75 TMC, "1547", ATCC, "14467" (*Mycobacterium peregrinum*). Bronchial aspiration. (Medium 16 37C)

Mycobacterium gadium Casal and Calero

My 312 ATCC, "27726". Sputum. Type strain. (Medium 16 37C)

Mycobacterium gastri Wayne

My 234/80 ATCC, "15754". Gastric lavage. Type strain. (Medium 16 37C)

Mycobacterium gilvum Stanford and Gunthorpe

My 313/87 NCTC, "10742" - ATCC, "43909". Sputum. Type strain. (Medium 16 37C)

Mycobacterium gordonae Bojalil, Cerbon and Trujillo

My 190/77 TMC, "1324", ATCC, "14470". Gastric lavage. Type strain. (Medium 16 30C)

Mycobacterium kansasii Hauduroy

My 235/80 ATCC, "12478". From a fatal case. Type strain. Resistant to streptomycin and p-aminosalicylic acid. (Medium 16 37C)

Mycobacterium komossense Kazda and Miiller

My 274/80 J.Kazda, Research Institute, Borstel, FRG, ATCC, "33013". Sphagnum moss. Type strain. (Medium 16 30C)

Mycobacterium malmoense Schroder and Juhlin

My 279/80 I.Juhlin, ATCC, "29571". Resected lung tissue "816". Type strain. (Medium 16 37C)

Mycobacterium marinum Aronson

My 236/80 ATCC, "927". Fish. Type strain. (Medium 16 30C)

Mycobacterium microti Reed

My 315/87 NCTC, "8710", ATCC, "19422". Type strain. (Medium 20 37C)

Mycobacterium moriokaense Tsukamura, Yano and Imaeda

My 327/88 ATCC, "43059". Soil. Type strain. (Medium 16 37C)

Mycobacterium neoaurum Tsukamura

My 258/80 M.Tsukamura, NCH, "10002", ATCC, "25795", NCTC, "10818". Type strain. (Medium 16 37C)

Mycobacterium nonchromogenicum Tsukamura

My 55/71 ATCC, "19530" (*Mycobacterium terrae*). Soil. Type strain. (Medium 16 37C)

Mycobacterium obuense Tsukamura and Mizumo

My 263/80 M.Tsukamura, NCH, "47002". (Medium 16 37C)

Mycobacterium bovis Karlson and Lesse1

My 310/87 ATCC, "19210". Granulomatous lesion in a lymphnode of a 6-month-old heifer. Neotype. (Medium 17 37C)

Mycobacterium chelonae Bergey et al.

My 203/75 TMC, "1543", ATCC, "19977" (subsp. abscessus). (Medium 16 30C)

202/77 TMC, "1544", NCTC, "946" (subsp. chelonae). Tortoise. Type strain. (Medium 16 30C)

Mycobacterium chitae Tsukamura

My 252/80 M.Tsukamura, NCH, "31001", ATCC, "19627", NCTC, "10485". Soil. Type strain. (Medium 16 37C)

Mycobacterium chubuense (Tsukamura) Tsukamura

My 255/80 M.Tsukamura, NCH, "48013", ATCC, "27278", NCTC, "10819". Soil. Type strain. (Medium 16 37C)

Mycobacterium diernhoferi (B~nicke and Juhasz) Tsukamura et al.

My 207/75 TMC, "1540", ATCC, "19340". Drinking trough for cows. Type strain. (Medium 16 37C)

Mycobacterium parafortuitum Tsukamura et al.

265/80 M.Tsukamura, "16002", ATCC, "19686", NCTC, "10411". Soil. Type strain. (Medium 16 37C)

Mycobacterium phlei Lehmann and Neumann

237/80 ATCC, "11758", G.Penso, strain Timoteo. Phage host. (Medium 16 37C)

Mycobacterium porcinum Tsukamura, Nemoto and Yugi

My 324/88 ATCC, "33776". Swine lymph node. Type strain. (Medium 16 37C)

Mycobacterium poriferae Padgitt and Moshier

My 325/88 ATCC, "35087". Marine sponge. Type strain. (Medium 16 37C)

Mycobacterium pulveris Tsukamura, Mizuno and Toyama

My 326/88 M.Tsukamura, NCH, "33505", ATCC, "35154". House dust. Type strain. (Medium 16 37C)

Mycobacterium rhodesiae (Tsukamura et al.) Tsukamura

My 267/80 M.Tsukamura, NCH, "02002", ATCC, "27024", NCTC, "10779". Sputum of patient with pulmonary disease. Type strain. (Medium 16 37C)

Mycobacterium scrofulaceum Prissick and Masson

189/75 TMC, "1323" - ATCC, "19981". Cervical lymph node. Type strain. (Medium 16 37C)

Mycobacterium senegalense (Chamoiseau)

My 319/87 NCTC, "10956", ATCC, "35796". Bovine farcy lesion. Type strain. (Medium 16 37C)

Mycobacterium shimoidei Tsukamura

My 270/80 M.Tsukamura, NCH, "43501", ATCC, "27962". Sputum of patient with tuberculosis-like disease. Type strain. (Medium 16 37C)

Mycobacterium smegmatis (Trevisan) Lehmann and Neumann

320/87 ATCC, "19420". Type strain. (Medium 16 37C)

Mycobacterium sphapni Kazda

My 280/80 J.Kazda, Research Institute, Borstel, FRG, ATCC, "33027". Sphagnum vegetation "38". Type strain. (Medium 16 30C)

Mycobacterium szulgai Marks et al.

316/87 NCTC, "10831", ATCC, "35799". Type strain. (Medium 16 37C)

Mycobacterium terrae Wayne

238/80 ATCC, "15755". Type strain. (Medium 16 37C)

Mycobacterium thermoresistibile Tsukamura

My 240/80 M.Tsukamura, NCH, "316", NCTC, "10409", ATCC, "19527". Type strain. Soil. (Medium 16 37C)

Mycobacterium tokaiense (Tsukamura) Tsukamura

My 273/80 M.Tsukamura,NCH,"47503",  
ATCC, "27282", NCTC, "10821". Soil. Type strain. (Medium 16 37C)

Mycobacterium triviale Kubica

241/80 ATCC, "23292". Sputum. Type strain. (Medium 16 37C)

Mycobacterium tuberculosis (Zopf) Lehmann and Neumann

331/88 G.Kubica, TMC "102", "H37Rv", ATCC, "27294". Type strain. Media testing. (Medium 16 37C)

Mycobacterium vaccae B~nicke and Juhasz

My 206/75 TMC, "1526", ATCC, "15483". Cow s milk. Phage host. Type strain.(Medium 16 37C)

Mycobacterium xenopi Schwabacher

317/87 NCTC, "10042", ATCC, "19250", TMC, "1482". Adult female toad, *Xenopus laevis*. Type strain.(Medium 16 37C)

Neisseria animalis Berger

N 17/88 J.Y.Riou, IP,"N 413". (Medium 6 37C)

Neisseria canis Berger

N 14/88 J.Y.Riou, IP, "N 419". Oral mucosa of dog. (Medium 6 37C)

Neisseria cinerea (von Lingelsheim) Murray

6148 N 23/88 J.Y.Riou, IP, "N 415" -ATCC, "14685". Normal mucosa of nasopharynx of man. Type strain.(Medium 6 37C)

Neisseria cuniculi Berger

N 16/88 J.Y.Riou, IP, "N 420". Oral mucosa of rabbit. (Medium 6 37C)

Neisseria denitrificans Berger

N 26/88 J.Y.Riou, IP, "N 412" - ATCC, "14686". Oral mucosa of quinea pig. Type strain. (Medium 6 37C)

Neisseria elongata Bovre and Holten

N 19/88 J.Y.Riou, IP,"N 416" - ATCC, "25295". Human nasopharynx. Type strain. (Medium 6 37C)

Neisseria flavescens Branham

6138 N 5/65 ATCC, "13115". Spinal fluid of fatal case. (Medium 6 37C)

N 22/88 J .Y.Riou, IP, "N 414" - ATCC, "13120".spinal fluid of fatal case of meningitis. Type strain.(Medium 6 37C)

Neisseria gonorrhoeae (Zopf) Trevisan

5189 Ngo 50/82 E.Kittnar, LFH UK. Patient with gonorrhoea "917". Penicillin sensitive. (Medium 6 37C, CO<sub>2</sub>)

5786 51/82 E.Kittnar. Patient with gonorrhoea "208". Penicillin resistant. (Medium 6 37C, CO<sub>2</sub>)

Neisseria lactamica Hollis et al.

5518 N 8/77 V.Burian, P.Kuzemská, IHE. Nasopharynx-larynx "2164". (Medium 6 37C)

6940 9/77 V.Burian, P.Kuzemské. Nasopharynx-larynx "2629". (Medium 6 37C)

6941 10/77 V.Burian, P.Kuzemská. Nasopharynx "6377". (Medium 6 37C)

6139 11/77 V.Burian, P.Kuzemské. Larynx "7833". (Medium 6 37C)



5519 12/77 V.Burian, P.Kuzemensk . Nasopharynx-larynx "9641". (Medium 6 37C)

Neisseria meningitidis (Albrecht and Ghon) Murray

Serogroup A

6942 Nm2/59 R.Murray,National Institutes of Health, Bethesda, USA, S.E. Branham "M1027", ATCC, "13077", NCTC, "10025". Spinal fluid from a fatal case of meningitis "21". Neotype. Reference strain for serogroup A. (Medium 6 37C, CO<sub>2</sub>)

6943 3/59 R.Murray, "S-3032-S", "M962", NCTC, "10027". (Medium 6 37C, CO<sub>2</sub>)  
 4/59 R.Murray, "Bernard Bice". Spinal fluid "1894". (Medium 6 37C,CO<sub>2</sub>)  
 12/65 R.Faucon, Laboratoire du Microbiologie, Marseille, France, "41". (Medium 6 37C,CO<sub>2</sub>)  
 13/65 R.Faucon, "190". (Medium 6 37C, CO<sub>2</sub>)

6944 21/70 V.Burian, IHE. Spinal fluid "265" (Bamako, Mali). (Medium 6 37C, CO<sub>2</sub>)  
 6945 22/70 V.Burian. Spinal fluid "342" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)  
 6946 23/70 V.Burian. Spinal fluid "464" (Bamako, Mali). (Medium 6 37C, CO<sub>2</sub>)  
 6947 24/70 V.Burian. Spinal fluid "279" (Bamako, Mali). (Medium 6 37C, CO<sub>2</sub>)  
 6948 25/70 V.Burian. Nasopharynx "1653" (Kati, Mali). (Medium 6 37C,CO<sub>2</sub>)  
 40/71 V.Burian. Spinal fluid "1631" (Praha,  SSR). (Medium 6 37C, CO<sub>2</sub>)  
 59/78 C.E.Frasch, Food and Drug Administration, Bethesda, USA - Walter Reed Army Medical Center, "A<sub>I</sub>". (Medium 6 37C, CO<sub>2</sub>)  
 70/88 J.Y.Riou, IP, "N 1912". (Medium 6 37C,CO<sub>2</sub>)

Serogroup B

1/58 J.Duben, OHS, Havl ck v Brod. Spinal fluid. (Medium 6 37C, CO<sub>2</sub>)

6949 5/59 R.Murray, "Linda Cunningham", ATCC, "13090", NCTC, "10026". Spinal -fluid "M2092". Reference strain for serogroup B. (Medium 6 37C, CO<sub>2</sub>)

6950 6/59 R.Murray, "Elaine Street", ATCC, "13091". Nose "M2091". (Medium 6 37C, CO<sub>2</sub>)

6951 7/59 R.Murray, "M997", ATCC, "13092", NCTC, "10028". Cerebrospinal fluid  
 14/65 R.Faucon, "57". (Medium 6 37C,CO<sub>2</sub>) 15/65 R.Faucon, "96". (Medium 6 37C, CO<sub>2</sub>)  
 26/70 V.Burian. Spinal fluid "547" (exitus). (Medium 6 37C,CO<sub>2</sub>)  
 27/70 V.Burian. Spinal fluid "666" (exitus). (Medium 6 37C, CO<sub>2</sub>)  
 65/81 N.A.Vedros, University of California, Berkeley, USA, "M-136". (Medium 6 37C, CO<sub>2</sub>)  
 74/88 J.Y.Riou, IP, "N 1913". (Medium 6 37C,CO<sub>2</sub>)

"S-3250-L". (Medium 6 37C, CO<sub>2</sub>) Reference strain for serogroup D. (Medium 6 37C, CO<sub>2</sub>)

Serogroup X

6968 Nm 18/68 T.Pellar, LFH KU - K.W.Slaterus, University Laboratory of Hygiene, Amsterdam, The Netherlands, "X". (Medium 6 37C, CO<sub>2</sub>)ATCC35560

6957 29/70 V.Burian. Nasopharynx "3187" (Koulikoro, Mali). (Medium 6 37C, CO<sub>2</sub>)

6958 30/70 V.Burian. Nasopharynx "3231" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)

6959 31/70 V.Burian. Nasopharynx "3529" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)

6960 32/70 V.Burian. Nasopharynx "3544" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)

6961 33/70 V.Burian. Nasopharynx "3917" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)

6962 34/70 V.Burian. Nasopharynx "1972" (Bamako, Mali). (Medium 6 37C, CO<sub>2</sub>)

6963 35/70 V.Burian. Nasopharynx "3718" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)

6964 36/70 V.Burian. Nasopharynx "3962" (Bamako, Mali). (Medium 6 37C, CO<sub>2</sub>)

45/72 V.Burian. Nasopharynx "5650" (Pra-ha). (Medium 6 37C, CO<sub>2</sub>)

46/72 V.Burian. Nasopharynx "5556" (Plzeň). (Medium 6 37C, CO<sub>2</sub>)

71/88 J.Y.Riou, IP, "N 1915". (Medium 6 37C, CO<sub>2</sub>)

Serogroup Y

Nm 19/68 K.W.Slaterus, "Y". (Medium 6 37C)

6965 37/70 V.Burian. Nasopharynx "1835" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)

6966 38/70 V.Burian. Nasopharynx "4043" (Bamako, Mali). (Medium 6 37C, CO<sub>2</sub>)

6967 39/70 V.Burian. Nasopharynx "4092" (Bamako, Mali). (Medium 6 37C,CO<sub>2</sub>)

47/72 V.Burian. Spinal fluid "6204" (Praha). (Medium 6 37C,CO<sub>2</sub>)

48/72 V.Burian. Nasopharynx "5748" (Pra-ha). (Medium 6 37C,CO<sub>2</sub>)

73/88 J.Y.Riou, IP, "N 1916". (Medium 6 37C,CO<sub>2</sub>)

Serogroup C

6952 Nm 8/59 R.Murray, ATCC, "13102", NCTC, "8554". Spinal fluid "M1628". Reference strain for serogroup C. (Medium 6 37C,CO<sub>2</sub>)

6953 10/59 R.Murray, "S-3766-S". Spinal fluid "M1054".(Medium 6 37C, CO<sub>2</sub>)

6954 28/70 V.Burian. Nasopharynx "3104" (Koulikoro, Mali).(Medium 6 37C,CO<sub>2</sub>)

Serogroup D

6955 Nm 11/59 R.Murray, "37 A", ATCC, "13113", NCTC, "9714". Spinal fluid "M158".

Serogroup Z

6968 Nm 20/68 K.W.Slaterus, "Z". (Medium 6 37C, CO<sub>2</sub>)ATCC35562

6969 Nm 62/79 P.Kuzemenská,IHE. Nasopharynx "169/79" (Praha). (Medium 6 37C,CO<sub>2</sub>)

6970 63/79 P.Kuzemenská. Nasopharynx "1082/79"(Praha). (Medium 6 37C,CO<sub>2</sub>)

6971 67/81 N.A.Vedros, "M-407", ATCC, "35562". A carrier. (Medium 6 37C, CO<sub>2</sub>)

75/88 J.Y.Riou, IP, "N 1917". (Medium 6 37C, CO<sub>2</sub>)

Serogroup 29 E

6972 Nm 49/77 V.Burian, P.Kuzemenská. Nasopharynxlarynx "64". (Medium 6 37C, CO<sub>2</sub>)

6973 50/77 V.Burian, P.Kuzemenská. Sputum "166". (Medium 6 37C,CO<sub>2</sub>)

6974 51/77 V.Burian, P.Kuzemenská. Nasopharynxlarynx "203". (Medium 6 37C, CO<sub>2</sub>)

6975 52/77 V.Burian, P.Kuzemenská. Sputum "334". (Medium 6 37C,CO<sub>2</sub>)

6976 53/77 V.Burian, P.Kuzemenská. Sputum "857". (Medium 6 37C,CO<sub>2</sub>)

6977 69/81 N.A.Vedros, "M-521", ATCC, "35558". (Medium 6 37C, CO<sub>2</sub>)

76/88 J.Y.Riou, IP, "N 636". (Medium 6 37C, CO<sub>2</sub>)

Serogroup W 135

6978	Nm 54/77	V.Burian, P.Kuzemská. Sputum "329". (Medium 6 37C, CO <sub>2</sub> )
6979	55/77	V.Burian, P.Kuzemská. Sputum "364". (Medium 6 37C, CO <sub>2</sub> )
6980	56/77	V.Burian, P.Kuzemská. Nasopharynxlarynx "10206". (Medium 6 37C, CO <sub>2</sub> )
6981	57/77	V.Burian, P.Kuzemská. Nasopharynxlarynx "10380". (Medium 6 37C, CO <sub>2</sub> )
6982	58/77	V. Burian ,P.Kuzemská. Nasopharynxlarynx "10501". (Medium 6 37C, CO <sub>2</sub> )
6983	64/79	P.Kuzemská. Spinal fluid "424/79" (Praha). (Medium 6 37C, CO <sub>2</sub> )
6984	68/81	N.A.Vedros, "M-603". (Medium 6 37C, CO <sub>2</sub> )
	77/88	J.Y.Riou, IP,"N 638". (Medium 6 37C, CO <sub>2</sub> )

Neisseria mucosa Veron et al.

	3/64	M.Neubauer. Tonsils "5876". (Medium 6 37C)
	4/64	M.Neubauer. Sputum "10184-K/64". (Medium 6 37C)
6143	N 20/88	J.Y.Riou, IP, "N 405" - ATCC, "19696". Sputum of patient with chronic bronchitis and acute nephritis. Type strain. (Medium 6 37C)

Neisseria ovis Lindqvist

	N 15/88	J.Y.Riou, IP, "N 427". (Medium 6 37C)
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Neisseria polysaccharea Riou and Guibourdenche

6142	N 18/88	J.Y.Riou, IP, "N 462". (Medium 6 37C)
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1 Neisseria sicca von Lingelsheim) Bergey et al. N 24/88 J.Y.Riou, IP, "N 3834". (Medium 6 37C)

Neisseria subflava (Fliigge) Trevisan

	N 25/88	J.Y.Riou, IP, "N,2152". (Medium 6 37C)
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Nocardia asteroides (Eppinger) Blanchard

	No3/49	J.Kořínek, Ústav pro obecnou mikro-biologii přírodovědecké fakulty KU (Institute for General Microbiology, Natural Sciences Faculty, Charles University), Praha - IP. (Medium 2 37C)
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"Nocardia madurae" (Vincent) Blanchard No 1/49 J.Kořínek - IP. (Medium 2 37C)

"Nocardia rubra" (Krasilnikov) Waksman and Henrici

	No 2/49	J.Kořínek - IP. (Medium 2 37C)
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Pasteurella aeropenes McAllister and Carter

	Pa 51/80	W.Frederiksen, StS. Ulcus cruris "627". (Medium 2 37C)
6156	Pa 52/80	W.Frederiksen - ATCC, "27883". Swine intestine "634". (Medium 2 37C)

Pasteurella haemolytica Newsom and Cross

6157	Ph 2/68 biogroup 1	CCM, "5141" - NCTC, "9380", ATCC, "33396". Type strain.(Medium 2 37C)serotype,
	3/68	O.Mráz, VŠV. Case of mastitis in sheep "370/61". (Medium 2 37C)
	5/69	CCM, "5422" - D.A.Thompson strain, "1C49". Type T, serotype 10. (Medium 2 37C)
	6/69	CCM, "5423", - D.A. Thompson strain, "1C92". Type T, serotype 4. (Medium 2 37C)
5666	4/69	CCM, "5142" - ATCC, "10898"(Pasteurella mastitidis).(Medium 2 37C)

Pasteurella multocida (Lehmann and Neumann) Rosenbusch and Merchant

	Pa 1/41	SZÚ. Guinea-pig "420". (Medium 2 37C)
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2/41		SZÚ. Guinea-pig. (Medium 2 37C)
3/41		SZÚ. Rabbit "60682". (Medium 2 37C)
4/41		SZÚ. Rabbit "60751". (Medium 2 37C)
9/41		SZÚ. Rabbit "60756". (Medium 2 37C)
18/48		E.Aldová, SZÚ. (Medium 2 37C)
22/51		SZÚ. Rabbit "31". (Medium 2 37C)
33/52		ÚEM. Rabbit "204". (Medium 2 37C)
36/61		M.Neubauer, OHS, Havlíčkův Brod. Sputum "19504-60K". (Medium 2 37C)
37/61		M.Neubauer. Pus (empyema antri) "23814-60/K". (Medium 2 37C)
38/61		J.Duben, OHS, Havlíčkův Brod. Sputum "6349-K/61". (Medium 2 37C)
43/64		M.Neubauer. Sputum "18386/62K". (Medium 2 37C)
44/64		M.Neubauer. Smear from bronchi (bronchiectasia) "4142/64K". (Medium 2 37C)
50/69		S.Hausnerová, KHS, České Budějovice. Pus. (Medium 2 37C)
 Type A		
Pa 39/62		Z.Malík, Bioveta, Nitra - G.R. Carter, Ontario Veterinary College, Guelph, Canada, "A". (Medium 2 37C)
45/67		Z.Malík. Fowl cholera "606". (Medium 2 37C)
 Type A (continued)		
Pa 46/67		Z.Malík. Fowl cholera "615". (Medium 2 37C)
47/67		Z.Malík. Fowl cholera "629". (Medium 2 37C)
48/67		Z.Malík. Fowl cholera "671". (Medium 2 37C)
49/67		Z.Malík. Fowl cholera "PM 4". (Medium 2 37C)
 Type B		
Pa 40/62		G.R.Carter, "8". (Medium 2 37C)
 Type C		
Pa 41/62		G.R.Carter, "C". (Medium 2 37C)
 Type D		
6985	Pa 42/62	G.R.Carter, "0". (Medium 2 37C) ATCC12948
 Type 1 (Little-Lyons classification)		
	Pa 34/60	K.L.Heddleston, Pasteurellosis Research, Beltsville, USA, "X73". Domestic fowl. Vaccine strain. (Medium 2 37C)
 Type 3 (Little-Lyons classification)		
	Pa 35/60	K.L.Heddleston, "P 1059". Turkey liver. Vaccine strain. (Medium 2 37C)
 <u>Pasteurella pneumotropica</u> Jawetz		
	Papn 1/70	IHE, Pavilion of Radiotoxicology, "107/7". (Medium 2 37C)
	6161 2/70	ATCC, "13669". Mouse lung. (Medium 2 37C)
	3/78	E.Aldová, IHE. Pat "21067". (Medium 2 37C)
 <u>Pasteurella - like group "SP"</u>		
Pa 6162	53/80	w.Frederiksen, Sts. Guinea-pig "603". (Medium 2 37C)
	54/88	E.Aldová, IHE - P.Vladík, SVÚ, České Budějovice. Nutria abscess "28239". (Medium 2 37C)

55/88 E.Aldová - V.Paučková, OHS, Frýdek-Místek. Stool "20943". (Medium 2 30C)

Pasteurella ureae Jones

Ph 7/79 M.Kocur, CCM "5774" - NCTC, "10219", ATCC, "25976". Nose swab (ozaena). Type strain.(Medium 2 37C)

Pediococcus acidilactici Lindner

- 6986 1 R.E.O.Williams, The Wright Fleming Institute, ATCC, "8081" (Pediococcus cerevisiae). Assay of folic acid, citrovorum factor and alanine. (Medium 19 37C)
- 6987 2 M.Kocur, CCM, "1855" - ATCC, "8042" (Pediococcus cerevisiae). Assay of amino acids. (Medium 19 37C)

Peptococcus activus"

Pe 3/74 A.Hudáč, VÚEM,"2/III.-34-74". (Medium 7 37C, Anaerobic)

Peptostreptococcus anaerobius (Natvig) Kluver and van Niel

Pe 9/76 A.Hudáč, VÚEM,"406/76". (Medium 7 37C, Anaerobic)

Photobacterium leiopnathi Boisvert et al.

6988 Pho 1/89 I.Janda, ČSAV-University of Cardiff, England, "LN-1a". (Medium 36 22C)

Photobacterium phosphoreum (Cohn) Beijerinck ref32

- 6989 Pho 2/89 I.Janda, ČSAV - CCM, "3421". Suitable for bacterial bioluminescence toxicity (Microtox) test. (Medium 36 22C)
- 6990 3/89 I.Janda - University of Cardiff, England, "jw 1". (Medium 36 22C)
- 6991 4/89 I.Janda - University of Cardiff, England, "He-1a". Suitable for bacterial bioluminescence toxicity (Microtox) test. (Medium 36 22C)
- 6992 5/89 I.Janda, "MBÚ MVI 02". Suitable for bacterial bioluminescence toxicity (Microtox) test. (Medium 36 22C)

Plesiomonas shigelloides (Bader) Habs and Schubert

- 6993 Aer 6/73 E.Aldová, IHE. Stool "167-11344". Contains antigen identical with that of Shigella sonnei S-form. Serovar 017:Hc. (Medium 2 37C)
- 6994 23/83 R.E.Bader - E.Aldová. Dog "12212". Contains antigen identical with tha of Shigella sonnei S-form. Serovar 017:Hc. (Medium 2 37C)
- 6995 21/79 J.Karolček. Faeces "120/Id/78". Serovar 018:Hg. (Medium 2 37C)  
Serovar 01:Ha (Provisional scheme recommended by Aldová)
- 6996 Aer 63/89 E.Aldová. Stool (Pinar del Rio, Cuba) "7959". (Medium 2 37C)  
Serovar 02:Hc
- 6997 Aer 29/89 E.Aldová. Stool (Pinar del Rio, Cuba) "7960". (Medium 2 37C)  
Serovar 03:Ha
- 6998 Aer 30/89 E.Aldová. Stool (Habana,Cuba) "8024". (Medium 2 37C)  
Serovar 04:Hc
- 6999 Aer 31/89 E.Aldová. Stool (Habana,Cuba) "8025". (Medium 2 37C)  
Serovar 05:He
- 6404 Aer 32/89 E.Aldová. Stool (Santiago de Cuba) "8085". (Medium 2 37C)  
Serovar 06:Hb
- 7000 Aer 33/89 E.Aldová. Stool (Santiago de Cuba) "8116". (Medium 2 37C)  
Serovar 07:Ha
- 6405 Aer 34/89 E.Aldová. Stool (Santiago de Cuba) "8114". (Medium 2 37C)

Serovar 08:Hd  
6406 Aer 35/89 E.Aldová. Stool (Pinar del Rio, Cuba) "8230". (Medium 2 37C)

Serovar 09:Hb  
7001 Aer 36/89 E.Aldová. Stool (Santiago de Cuba) "8341". (Medium 2 37C)

Serovar 010:Ha  
7002 Aer 37/89 E.Aldová. Stool (Santiago de Cuba) "8342". (Medium 2 37C)

Serovar 011:Hf  
6407 Aer 38/89 E.Aldová. Stool (Pinar del Rio, Cuba) "8552". (Medium 2 37C)

Serovar 012:Hd  
7003 Aer 3/65 E.Geizer, ILF, Praha. Child "706". (Medium 2 37C)

Serovar 036:34  
Aer 2/65 O.Novák, OHS, Praha . Faeces "8728". (Medium 2 37C)

Serovar 014:NM  
6408 Aer 39/89 E.Aldová. Stool (Poděbrady) "11074". (Medium 2 37C)

Serovar 015:Hh  
6409 Aer 40/89 E.Aldová. Stool (Martin) "11173". (Medium 2 37C)

Serovar 016:Hf  
6410 Aer 41/89 E.Aldová. Stool (Frýdek-Místek) "11274". (Medium 2 37C)

Serovar 017:Hf  
7004 Aer 42/89 E.Aldová. Stool (Třinec) "11353". Contains antigen identical with that of shigella sonnei S-form. (Medium 2 37C)

Serovar 018:Hi  
6424 Aer 43/89 E.Aldová. Stool (Diala Liwa, Iraq) "11356". (Medium 2 37C)

Serovar D19:Hc  
6417 Aer 44/89 E.Aldová. Stool (Diala Liwa, Iraq) "11443". (Medium 2 37C)

Serovar 020:Hj  
6419 Aer 45/89 E.Aldová. Stool (Diala Liwa, Iraq) "11444". (Medium 2 37C)

Serovar 021:Ha  
6418 Aer 46/89 E.Aldová. Stool (Diala Liwa, Iraq) "11446". (Medium 2 37C)

Serovar 022:Hf  
6411 Aer 47/89 E.Aldová. Stool (Třinec) "11282". (Medium 2 37C)

Serovar 023:Hb  
6413 Aer 48/89 E.Aldová. Stool (Diala Liwa, Iraq) "11404". (Medium 2 37C)

Serovar 024:Hc  
6414 Aer 49/89 E.Aldová. Stool (Diala Liwa, Iraq) "11448". (Medium 2 37C)

Serovar 025:Ha  
7005 Aer 50/89 E.Aldová. Stool (Diala Liwa, Iraq) "11450". (Medium 2 37C)

Serovar 026:H1  
6415 Aer 51/89 E.Aldová. Stool (Diala Liwa, Iraq) "11455". (Medium 2 37C)

Serovar 027:Hh  
6416 Aer 52/89 E.Aldová. Stool (Diala Liwa, Iraq) "11770". (Medium 2 37C)

Serovar 029:Ha  
7006 Aer 53/89 E.Aldová. Stool (Kirkuk Liwa, Kifri, Iraq) "11456". (Medium 2 37C)

Serovar 030:Hn  
7007 Aer 54/89 E.Aldová. Cat "12129". (Medium 2 370)

Serovar 031:Hp  
Aer 55/89 E.Aldová. Swine intestine "21513". (Medium 2 37C)

Serovar 032:Hq  
7008 Aer 56/89 E.Aldová. Stool (Vietnam) "26260". (Medium 2 37C)

Serovar 033:Hr  
6428 Aer 57/89 M.Tarabčák, KHS, Košice. Stool (Aden, Yemen) "25806". (Medium 2 37C)

Serovar 034:Hs  
6429 Aer 58/89 E.Aldová. Stool (České Budějovice) "26421". (Medium 2 37C)  
Serovar Ha:01 (Provisional scheme recommended by Aldová)

6996 Aer 63/89 E.Aldová. Stool (Pinar del Rio, Cuba) "7959". (Medium 2 37C)

Serovar Hb:06  
7000 Aer 33/89 E.Aldová. Stool (Santiago de Cuba) "8116". (Medium 2 37C)

Serovar Hc:04  
6999 Aer 31/89 E.Aldová. Stool (Habana, Cuba) "8025". (Medium 2 37C)

Serovar Hd:012  
7003 Aer 3/65 E.Geizer. Child (Havlíčkův Brod) "706". (Medium 2 37C)

Serovar He:05  
6404 Aer 32/89 E.Aldová.-Stool (Santiago de Cuba) "8085". (Medium 2 37C)

Serovar Hf:011  
6407 Aer 38/89 E.Aldová. Stool (Pinar del Rio, Cuba) "8552". (Medium 2 37C)

Serovar Hg:015  
7009 Aer 59/89 E.Aldová. Stool (Frýdek-Místek) "11256". (Medium 2 37C)

Serovar Ht1:021  
6416 Aer 52/89 E.Aldová. Stool (Frýdek-Místek) "11770". (Medium 2 37C)

Serovar Hi:018  
6424 Aer 43/89 E.Aldová. Stool (Diala Liwa, Iraq) "11356". (Medium 2 37C)

Serovar Hj:020  
6419 Aer 45/89 E.Aldová. Stool (Diala Liwa, Iraq) "11444". (Medium 2 37C)

Serovar Hk:018  
6425 Aer 60/89 E.Aldová. Stool (Kirkuk Liwa, Iraq) "11451". (Medium 2 37C)

Serovar Hl1:026  
6415 Aer 51/89 E.Aldová. Stool (Diala Liwa, Iraq) "11455". (Medium 2 37C)

Serovar Hm:05  
6426 Aer 61/89 E.Aldová. Stool (Diala Liwa, Iraq) "11405". (Medium 2 37C)

Serovar Hn:030  
7007 Aer 54/89 E.Aldová. Cat "12129". (Medium 2 37C)

Serovar Ho:07  
6427 Aer 62/89 E.Aldová. Sea water (Bulgaria) "13108". (Medium 2 37C)

Serovar Hp:031  
6423 Aer 55/89 E.Aldová. Swine intestine "21513". (Medium 2 37C)

Serovar Hq:032  
7008 Aer 56/89 E.Aldová. Stool (Vietnam) "26260". (Medium 2 37C)

Serovar Hr:033  
6428 Aer 57/'89 M.Tarabčák. Stool (Aden, Yemen) "25806". (Medium 2 37C)

Serovar Hs:034  
6429 Aer 58/89 E.Aldová. Stool (České Budějovice) "26421". (Medium 2 37C)  
Serovar 01:H1a,1b (Provisional scheme recommended by Shimada and Sakazaki)

6300 Aer 66/89 T.Shimada, R.Sakazaki, National Institute of Health, Tokyo, Japan, "302-73". (Medium 2 37C)

Serovar 02:H1a,1c  
6301 Aer 67/89 T.Shimada, R.Sakazaki, "306-73". (Medium 2 37C)

Serovar 03:H2  
6302 Aer 68/89 T.Shimada, R.Sakazaki, "307-73". (Medium 2 37C)

Serovar 04:H3  
 6303 Aer 69/89 T.Shimada, R.Sakazaki, "314-73". (Medium 2 37C)  
 Serovar 05:H4  
 6304 Aer 70/89 T.Shimada, R.Sakazaki, "318-73". (Medium 2 37C)  
 Serovar 06:H3  
 6305 Aer 71/89 T.Shimada, R.Sakazaki, "322-73". (Medium 2 37C)  
 Serovar 07:H2  
 6306 Aer 72/89 T.Shimada, R.Sakazaki, "301-73". (Medium 2 37C)  
 Serovar 08:H3  
 6307 Aer 73/89 T.Shimada, R.Sakazaki, "303-73". (Medium 2 37C)  
 Serovar 09:H2  
 6308 Aer 74/89 T.Shimada, R.Sakazaki, "310-73". (Medium 2 37C)  
 Serovar 010:H11  
 6309 Aer 75/89 T.Shimada, R.Sakazaki, "1392-74". (Medium 2 37C)  
 Serovar 011:H2  
 6310 Aer 76/89 T.Shimada, R.Sakazaki, "319-73". (Medium 2 37C)  
 Serovar 012:H9  
 6311 Aer 77/89 T.Shimada, R.Sakazaki, "346-73". (Medium 2 37C)  
 Serovar 012:H12  
 6312 Aer 78/89 T.Shimada, R.Sakazaki, "323-73". (Medium 2 37C)  
 Serovar 012:H16  
 6313 Aer 79/89 T.Shimada, R.Sakazaki, "P1-1000". (Medium 2 37C)  
 Serovar 013:H2  
 6314 Aer 80/89 T.Shimada, R.Sakazaki, "329-73". (Medium 2 37C)  
 Serovar 014:H5  
 6315 Aer 81/89 T.Shimada, R.Sakazaki, "334-73". (Medium 2 37C)  
 Serovar 015:H10  
 6316 Aer 82/89 T.Shimada, R.Sakazaki, "338-73". (Medium 2 37C)  
 Serovar 015:H17  
 6317 Aer 83/89 T.Shimada, R.Sakazaki, "206-81". (Medium 2 37C)  
 Serovar 016:H5  
 6318 Aer 84/89 T.Shimada, R.Sakazaki, "341/73". (Medium 2 37C)  
 Serovar 017:H6  
 6320 Aer 85/89 T.Shimada, R.Sakazaki, "343-73". (Medium 2 37C)  
 Serovar 018:H2  
 6321 Aer 86/89 T.Shimada, R.Sakazaki, "344-73". (Medium 2 37C)  
 Serovar 019:H2  
 6322 Aer 87/89 T.Shimada, R.Sakazaki, "345-73". (Medium 2 37C)  
 Serovar 020:H2  
 6323 Aer 88/89 T.Shimada, R.Sakazaki, "351-73". (Medium 2 37C)  
 Serovar 021:H7  
 5623 Aer 89/89 T.Shimada, R.Sakazaki, "354-73". (Medium 2 37C)  
 Serovar 022:H3  
 6324 Aer 90/89 T.Shimada, R.Sakazaki, "355-73". (Medium 2 37C)  
 Serovar 023:H1a,1c  
 6395 Aer 91/89 T.Shimada, R.Sakazaki, "356-73". (Medium 2 37C)  
 Serovar 024:H8  
 6396 Aer92/89 T.Shimada, R.Sakazaki, "283-73".(Medium 2 37C)  
 Serovar 025:H3



6397 Aer 93/89 T.Shimada, R.Sakazaki, "610-74". (Medium 2 37C)  
Serovar 026:H1a,1c

6398 Aer 94/89 T.Shimada, R.Sakazaki, "603-74". (Medium 2 37C)  
Serovar 027:H3

6399 Aer 95/89 T.Shimada, R.Sakazaki, "882-74". (Medium 2 37C)  
Serovar 028:H3

6400 Aer 96/89 T.Shimada, R.Sakazaki, "846-74". (Medium 2 37C)  
Serovar 029:H2

6401 Aer 97/89 T.Shimada, R.Sakazaki, "869-74". (Medium 2 37C)  
Serovar 030:H1a,1c

6402 Aer 98/89 T.Shimada, R.Sakazaki, "883-74". (Medium 2 37C)  
Serovar 031:H3

6403 Aer 99/89 T.Shimada, R.Sakazaki, "P1-656". (Medium 2 37C)  
Serovar 032:H14

6404 Aer 32/89 E.Aldová, "8085" (serovar 05). (Medium 2 37C)  
Serovar 033:H3

6405 Aer 34/89 E.Aldová, "8114" (serovar 07). (Medium 2 37C)  
Serovar 034:H13

6406 Aer 35/89 E.Aldová, "8230" (serovar 08). (Medium 2 37C)  
Serovar 035:H11

6407 Aer 38/89 E.Aldová, "8552" (serovar 011). (Medium 2 37C)  
Serovar 036:H2

5625 Aer2/65 E.Aldová, "11184" (serovar 013). (Medium 2 37C)  
Serovar 037:NM

6408 Aer 39/89 E.Aldová, "11074" (serovar 014). (Medium 2 37C)  
Serovar 038:H5

6409 Aer 40/89 E.Aldová, "11173" (serovar 015). (Medium 2 37C)  
Serovar 039:H11

6410 Aer 41/89 E.Aldová, "11274" (serovar 016). (Medium 2 37C)  
Serovar 040:H11

6411 Aer 47/89 E.Aldová, "11282" (serovar 022). (Medium 2 37C)  
Serovar 041:H11

6413 Aer 48/89 E.Aldová, "11404" (serovar 023). (Medium 2 37C)  
Serovar 042:H2

6414 Aer 49/89 E.Aldová, "11448" (serovar 024). (Medium 2 37C)  
Serovar 043:H2

6415 Aer 51/89 E.Aldová, "11455" (serovar 026). (Medium 2 37C)  
Serovar 044:H8

6416 Aer 52/89 E.Aldová, "11770" (serovar 027). (Medium 2 37C)  
Serovar 045:H2

6417 Aer 44/89 E.Aldová, "11443" (serovar 019). (Medium 2 37C)  
Serovar 046:H3

6418 Aer 46/89 E.Aldová, "11446" (serovar 021). (Medium 2 37C)  
Serovar 047:H13

6419 Aer 45/89 E.Aldová, "11444" (serovar 020). (Medium 2 37C)  
Serovar 048:H2

6420 Aer 100/89 T.Shimada, R.Sakazaki, "317-73". (Medium 2 37C)  
Serovar 049:H15

6421 Aer 101/89 T.Shimada, R.Sakazaki, "P1-657". (Medium 2 37C)

## Serovar 050:H11

6422 Aer 102/89 T.Shimada, R.Sakazaki, "1826-79". (Medium 2 37C)

Pragia fontium Aldová et al.ref2

7010 Eb 11/82 E.Aldová, IHE - A.Březinová,OHS, Frýdek-Místek, ATCC, "49100". well water "Dobrá - 20125" . Type strain. (Medium 1 37C)

7011 12/82 E.Aldová - Z.Kocmoud, OHS, České Budějovice, ATCC, "49101". well water "Hůrka - 23635". (Medium 1 37C)

7012 38/87 - E.Aldová - Z.Kocmoud. water pipe "24342". (Medium 1 37C)

7013 39/87 E.Aldová - Z.Kocmoud. water pipe "Miletínky - 24613". H<sub>2</sub>S negative. (Medium 1 37C)

7014 40/87 E.Aldová - Z.Kocmoud, ATCC, "49102". well water "Svatý Jan - 24734". (Medium 1 37C)

7015 41/87 E.Aldová - Z.Kocmoud. well water "Mostky - 25577". (Medium 1 37C)

Propionibacterium acnes (Gilchrist) Douglas and Gunter

Cor 13/59 D.Kalvodová, ÚLMI KU, "2721" (Corynebacterium acnes). (Medium 2 37C, Anaerobic)

28/64 D.Kalvodová, "1884" (Corynebacterium acnes). (Medium 2 37C, Anaerobic)

5475 Cor 69/77 NCTC, "10390", ATCC, "12930" (Corynebacterium parvum). (Medium 2 37C, An-aerobic)

72/78 IP, "936 8" (Corynebacterium parvum). (Medium 2 37C, Anaerobic)

73/78 IP, "4085" (Corynebacterium anaerobium). (Medium 2 37C, Anaerobic)

75/79 IP, "3607" (Propionibacterium -parvum). (Medium 2 37C, Anaerobic)

77/80 A.Hudáč, VÚPL. Meningitis purulenta "494/80". (Medium 2 37C, Anaerobic)

Propionibacterium avidum (Eggerth) Moore and Holdeman

Cor 59/75 A.Hudáč, VÚEM "599" (Corynebacterium avidum). (Medium 2 37C, Anaerobic)

Cor 76/80 A.Hudáč. Cervicitis "594/80". (Medium 2 37C, Anaerobic)

Propionibacterium granulosum (Prevot) Moore and Holdeman

7016 Cor 40/74 NCTC, "10387; ATCC, "11829" (Corynebacterium parvum).(Medium 2 37C, An-aerobic)

7017 70/78 ATCC, "25564". Type strain.(Medium 2 37C, Anaerobic)

Cor 74/79 IP, "3024 b". (Medium 2 37C, Anaerobic)

Proteus hauseri

PrK 1/57J .Sedlák Serovar 1a:1a,1b,1c, LFH KU - F.Kauffmann, StS, "X19H3137 N.C.". (Medium 1 37C)

## Serovar 1a,1b:1a,1b,1d

PrK 2/57 F.Kauffmann, "XL". (Medium 1 37C)

3/57 F.Kauffmann, "F 303". (Medium 1 37C)

## Serovar 2a:1a,1b,1c

PrK 4/57 F.Kauffmann, "X2 3307 N.C.". (Medium 1 37C):

5/57 F.Kauffmann, "F 392". (Medium 1 37C)

## Serovar 3a,3b:1a,1c,1e

PrK 6/57 F.Kauffmann, "XK". (Medium 1 37C)

7/57 F.Kauffmann, "F 491". (Medium 1 37C)

## Serovar 3a,3b:2a,2b,2e,2f

PrK 8/57	F.Kauffmann, "F 403". (Medium 1 37C)
Serovar 4a,4b:1a,1b,1d	
PrK 9/57	F.Kauffmann, "U 8".(Medium 1 37C)
Serovar 4a,4c:8a	
PrK 10/57	F .Kauffmann, "F 407". (Medium 1 37C)
Serovar 4a,4c:16a	
PrK 11/57	F.Kauffmann, "F 394". (Medium 1 37C)
Serovar 5a,5b:1a,1c,1e	
PrK 12/57	F.Kauffmann, "F 16". (Medium 1 37C)
Serovar 5a,5c:1a,1c,1e	
PrK 13/57	F .Kauffmann, "F 196". (Medium 1 37C)
Serovar 6a:1a,1c,1e	
PrK 14/57	F .Kauffmann, "F 181". (Medium 1 37C)
Serovar 7a, 7b:1a,1d,1e,1f	
PrK 15/57	F.Kauffmann, "F 27". (Medium 1 37C)
Serovar 7a,7b:3a,3b	
PrK 16/57	F.Kauffmann, "U 144". (Medium 1 37C)
Serovar Ba:1a,1b,1c	
PrK 17/57	F.Kauffmann,"F 30". (Medium 1 37C)
Serovar 9a:1a,1c,1e	
PrK 18-/57	F.Kauffmann, "F 62". (Medium 1 37C)
Serovar 10a:3a,3b	
PrK 19/57	F.Kauffmann, "F 73". (Medium 1 37C)
Serovar 10a:4a,4b,4c	
PrK 20/57	F .Kauffmann, "F 506". (Medium 1 37C)
Serovar 10a:5a	
PrK 21/57	F .Kauffmann, "F 280". (Medium 1 37C)
Serovar 11a,11b:6a	
PrK 23/57	F.Kauffmann, "F 439". (Medium 1 37C)
Serovar 11a,11b,11c:2a,2b,2e,2f	
PrK 24/57	F.Kauffmann, "F 67". (Medium 1 37C)
Serovar 11a,11d:2a,2b,2e,2f	
PrK 22/57	F.Kauffmann, "F 1". (Medium 1 37C)
Serovar 12a:1a,1b,1c	
PrK 25/57	F.Kauffmann, "F 65". (Medium 1 37C)
Serovar 13a:2a,2c,2e	
PrK 26/57	F.Kauffmann, "F 427". (Medium 1 37C)
Serovar 13a:4a,4c,4d	
PrK 27/57	F.Kauffmann, "F 219". (Medium 1 37C)
Serovar 14a,14b:1a,1c,1e	
PrK 28/57	F .Kauffmann, "F 120". (Medium 1 37C)
Serovar 14a,14c:3a,3b	
PrK 29/57	F.Kauffmann, "F 127". (Medium 1 37C)
Serovar 15a,15b:7a	
PrK 30/57	F.Kauffmann, "F 295a". (Medium 1 37C)
Serovar 16a,16b:14a	
PrK 31/57	F.Kauffmann, "F 485". (Medium 1 37C)
Serovar 17a,17b:1a,1c,1e	
PrK 32/57	F.Kauffmann, "F 92". (Medium 1 37C)

Serovar 17a,17c:10a  
PrK 33/57 F.Kauffmann, "F 119". (Medium 1 37C)

Serovar 18a:1a,1c,1e  
PrK 34/57 F.Kauffmann, "F 136". (Medium 1 37C)

Serovar 19a,19b,19c:11a  
PrK 37/57 F .Kauffmann, "U 349". (Medium 1 37C)

Serovar 19a,19c,19d:1a,1c,1e  
PrK 35/57 F.Kauffmann,"F 434". (Medium 1 37C)

Serovar 19a,19e:3a,3b  
PrK 36/57 F .Kauffmann, "F 311". (Medium 1 37C)

Serovar 20a:1a,1c,1e  
PrK 38/57 F.Kauffmann, "F 475". (Medium 1 37C)

Serovar 21a:1a,1b,1c  
PrK 39/57 F .Kauffmann, "M 205". (Medium 1 37C)

Serovar 22a:1a,1b,1c  
PrK 40/57 F .Kauffmann, "F 233". (Medium 1 37C)

Serovar 23a:1a,1c,1e  
PrK 41/57 F .Kauffmann, "F 162". (Medium 1 37C)

Serovar 23a,23c:12a  
PrK 43/57 F.Kauffmann, "F 296". (Medium 1 37C)

Serovar 23a,23c:2a,2d,2f  
PrK 44/57 F.Kauffmann, "F 63". (Medium 1 37C)

Serovar 23a,23c,23d:2a,2b,2f  
PrK 42/57F.Kauffmann, "F 431". (Medium 1 37C)

Serovar 24a:3a,3b  
PrK 45/57 F.Kauffmann, "F 103". (Medium 1 37C)

Serovar 24a:4a,4b,4e  
PrK 46/57 F.Kauffmann, "F 90". (Medium 1 37C)

Serovar 24a:13a  
PrK 47/57 F.Kauffmann, "F 330". (Medium 1 37C)

Serovar 25a:1a,1b,1c  
PrK 48/57 F.Kauffmann, "F 276". (Medium 1 37C)

Serovar 26a,3b:3a  
PrK 49/57 F.Kauffmann, "F 458". (Medium 1 37C)

Serovar 27a:2a,3c,2e  
PrK 50/57 F .Kauffmann, "F 25". (Medium 1 37C)

Serovar 28a:3a,3b  
PrK 51/57 F.Kauffmann, "F 87". (Medium 1 37C)

Serovar 29a:13a  
PrK 52/57 F.Kauffmann, "F 10". (Medium 1 37C)

Serovar 30a:1a,1c,1e  
PrK 53/57 F.Kauffmann, "F 384". (Medium 1 37C)

Serovar 30a:15a  
PrK 54/57 F.Kauffmann, "F 118". (Medium 1 37C)

Serovar 31:1  
PrK 55/57 F.Kauffmann, "F 110". (Medium 1 37C)

Serovar 31:2  
PrK 56/57 F.Kauffmann, "F 125". (Medium 1 37C)

Serovar 32:1

	PrK 57/57	F.Kauffmann, "F 139". (Medium 1 37C)
Serovar	32:3	
	PrK 58/57	F.Kauffmann, "F 388". (Medium 1 37C)
Serovar	33:3	
	PrK 59/57	F.Kauffmann, "U 510". (Medium 1 37C)
Serovar	34:6	
	PrK 60/57	F.Kauffmann, "F 72". (Medium 1 37C)
Serovar	35:2	
	PrK 61/57	F.Kauffmann, "F 335". (Medium 1 37C)
Serovar	36:3	
	PrK 62/57	F.Kauffmann, "F 305". (Medium 1 37C)
Serovar	37:17	
	PrK 63/57	F.Kauffmann, "F 100b". (Medium 1 37C)
Serovar	38:1	
	PrK 64/57	F.Kauffmann, "F 420". (Medium 1 37C)
Serovar	39:18	
	PrK 65/57	F.Kauffmann, "F 105b". (Medium 1 37C)
Serovar	40:4	
	PrK 66/57	F.Kauffmann, "F 386". (Medium 1 37C)
Serovar	41:1	
	PrK 67/57	F.Kauffmann, "F 409". (Medium 1 37C)
Serovar	42:1	
	PrK 68/57	F.Kauffmann, "F 295b". (Medium 1 37C)
Serovar	43:2	
	PrK 69/57	F.Kauffmann, "P 513". (Medium 1 37C)
Serovar	44:19	
	PrK 70/57	F.Kauffmann, "F 179". (Medium 1 37C)
Serovar	45:11	
	PrK 71/57	F.Kauffmann, "F 171". (Medium 1 37C)
Serovar	46:17	
	PrK 72/57	F.Kauffmann, "F 223". (Medium 1 37C)
Serovar	47:1	
	PrK 73/57	F.Kauffmann, "F 294". (Medium 1 37C)
Serovar	48:1	
	PrK 74/57	F.Kauffmann, "P368". (Medium 1 37C)
Serovar	49:2	
7018	PrK 75/57	F.Kauffmann, "F 386". Media testing. (Medium 1 37C)

Proteus mirabilis Hauser

	Prmi 2/35	SZÚ, "Warszawa". OXK strain. (Medium 1 37C)
	5/44	SZÚ, "Smolensk". OXK2 strain. (Medium 1 37C)
	7/44	SZÚ, "New Orleans". (Medium 1 37C)
	24/55	E.Aldová, ÚEM. Stool "126" (Korean People s Democratic Republic). (Medium 1 37C)
	25/76	K.Kotelko, Institute of Microbiology, Lodz, Poland, "RE 45". (Medium 1 37C)
6565	Prmi26/77	ATCC,"21100". Disc-plate assay of the antibiotic 1-(cis-1, 2-epoxy propyl) phosphonic acid. (Medium 1 37C)
6566	27/79	ATCC,"14153". Assay of mandelamine diagnostic discs. (Medium 1 37C)

Proteus penneri Hickman et al.

Pr 1/87 E.Aldová, IHE. Urine "25948". (Medium 1 37C)  
 2/87 E.Aldová. Urine "26088". (Medium 1 37C)  
 3/87 E.Aldová. Stool "25955". (Medium 1 37C)  
 4/87 CCM, "3672". (Medium 1 37C)

Proteus vulgaris Hauser

OXL strain

PrO 1/35 SZÚ, "Lister". (Medium 1 37C)  
 2/35 SZÚ, "Warszawa". (Medium 1 37C)  
 4/45 RKI. (Medium 1 37C)  
 8/44 SZÚ, "Moskva". (Medium 1 37C)  
 9/46 SZÚ, "Bratislava". (Medium 1 37C)

OX2 strain

PrO 5/43 RKI. (Medium 1 37C)

OXK strain

PrO 6/44 SZÚ, "Kijev 3 (022)". (Medium 1 37C)  
 10/52 O.Mikulášková, VÚEM. (Medium 1 37C)

OXM strain

PrO 7/44 SZÚ, "Minsk". (Medium 1 37C)

HX19 strain

PrH 1/35 SZÚ, "Lister". (Medium 1 37C)  
 2/35 SZÚ, "Warszawa". (Medium 1 37C)  
 6/43 RKI. (Medium 1 37C)

HXK strain

PrH 3/42 SZÚ, "Warszawa". (Medium 1 37C)

HXL strain

PrH 5/42 RKI. (Medium 1 37C)

H strain

PrH 13/58 L.Syrůček, ÚEM, "London" (Medium 1 37C)  
 6579 PrO 11/70 NCTC, "4635". Disinfectant test strain. (Medium 1 37C)  
 6573 4/42 SZÚ, "w". Media testing. (Medium 1 37C)

Delftia acidovorans den Dooren de Jong

5780 Ps159/78 O.Lysenko, CCEB, "863" - ATCC, "15668" Soil enriched with acetamide. Type strain. (Medium 1 30C)  
 5664 Ps 37/65 ATCC, "9027". Outer-ear infection. Used in preservation testing of parenteral and ophthalmic preparations. (Medium 1 37C)  
 5984 64/66 NCTC, "8203". Urinary infection. Production of cephalosporinase. (Medium 1 37C)  
 5974 66/68 J.Zahradnický, LF KU - S.Krynski, Zaklad Mikrobiologii AM, Gdansk, Poland - A.H.Wahba and M.T.Parker, Cross Infection Reference Laboratory, Colindale, London, England, "A 52". Serotype 06. M pyocin producer. (Medium 1 37C)  
 5975 67/68 A.H.Wahba, "B 10". Serotype 06. N pyocin producer. (Medium 1 37C)  
 5976 68/68 A.H.Wahba, "B 26". Serotype 07. Q pyocin producer. (Medium 1 37C)

5990	Ps 69/68	A.H.Wahba, "8 39". Serotype 03. R pyocin producer. (Medium 1 37C)
5977	70/68	A.H.Wahba, "M 8". Serotype 09. S pyocin producer. (Medium 1 37C)
5979	71/68	A.H.Wahba, "M 283". Serotype 08. T pyocin producer. (Medium 1 37C)
5987	72/68	A.H.Wahba, "S 17". Serotype 04. U pyocin producer. (Medium 1 37C)
5982	76/68	A.H.Wahba, "8/39". Serotype 03. V pyocin producer. (Medium 1 37C)
5983	77/68	A.H.Wahba, "10/55". Serotype 05. W pyocin producer. (Medium 1 37C)
5980	73/68	M.T.Parker, "511". Serotype 01. X pyocin producer. (Medium 1 37C)
5991	74/68	M.T.Parker, "584". Serotype 02. Y pyocin producer. (Medium 1 37C)
5981	75/68	M.T.Parker, "593". Serotype 08. Z pyocin producer. (Medium 1 37C)
5985	78/68	NCTC, "10490". For titration of carbenicillin (Pyopen). (Medium 1 37C)
5157	79/70	NCTC, "6749", ATCC, "19582" ( <i>Pseudomonas aeruginosa</i> subsp. <i>erythrogenes</i> ). Disinfectant testing. Production of pyomelanin and pyorubin. (Medium 1 37C)
5951	Ps 133/71	NCTC, "10662", ATCC, "25668". Sensitive to gentamicin and carbenicillin. Media testing. (Medium 1 37C)
5537	153/77	ATCC, "10145", CCEB, "481". Bacterial resistance testing of latex paint. Neotype. (Medium 1 37C)
5482	162/78	ATCC, "27853". Standardized strain for antibiotic-susceptibility testing of <i>pseudomonads</i> . (Medium 1 37C)
6008	163/78	ATCC, "25619". Assay of carbenicillin; susceptibility-disc-testing of carbenicillin and vancomycin. (Medium 1 37C)
6010	168/79	ATCC, "15442". Disinfectant testing. (Medium 1 37C)
6004	Ps 171/79	K.Morihara, Shionogi Research Laboratory, Osaka, Japan, IFO, "3455". Producer of elastase. (Medium 1 37C)
6005	172/79	K.Morihara, IFO, "3080". Producer of protease. (Medium 1 37C)
5997	173/80	ATCC, "29260" - P.V.Liu, University of Louisville, USA, "PA-103". Sputum of patient. Producer of exotoxin A. (Medium 1 37C)
6001	174/81	P.V.Liu, "6092", ATCC, "33360". M.Veron, IP, "6092", O.Sandvik (group II), NCTC, "11452". International serotype 13. (Medium 1 37C)
5998	175/81	P.V.Liu, "I M-1", ATCC, "33361", NCTC, "11453", E.Verder (group V). International serotype 14. (Medium 1 37C)
5999	176/81	P.V.Liu, "170022" - HNCMB, "170022", ATCC, "33362", NCTC, "11454". International serotype 15. (Medium 1 37C)
6006	177/81	P.V.Liu, "170003" - HNCMB, "170003", ATCC, "33363", NCTC, "11455". Faeces of infant with enteritis. International serotype 16. (Medium 1 37C)
6015	178/81	P.V.Liu, "Group X (10)", ATCC, "33364", NCTC, "11456", E.Meitert. International serotype 17. (Medium 1 37C)
6011	181/84	B.Lányi, HNCMB, "170040". Faeces of infant "Ar122". Serotype 011a, 11c:H2a,2c. (Medium 1 37C)
6012	182/87	B.Lányi, HNCMB, "170075". Serotype Homma 11 (group J). (Medium 1 37C)
6000	183/87	B.Lányi, HNCMB, "170076". Serotype Homma 12 (group K). (Medium 1 37C)
6007	185/89	ATCC, "29336". Assay of ticarcillin. (Medium 1 37C)

Providencia alcalifaciens (de Salles Gomes) Ewing

	Shp 108/51	K.Rauss, EMI, "Shp 509" ( <i>Shigella wakefield</i> ). (Medium 1 37C)
Pv	5/52	KHS, Praha ( <i>Proteus inconstans</i> ). Faeces "57072". (Medium 1 37C)
	6/54	ÚEM. Faeces "756". (Medium 1 37C) 8/54 ÚEM. Faeces "769". (Medium 1 37C)

12/55	J.Sedlák, ÚEM. Faeces "1020". (Medium 1 37C)
13/56	D.Matějovská, ÚEM. Bile of swine "1262". (Medium 1 37C)
14/56	D.Matějovská, "28676". (Medium 1 37C)
15/56	D.Matějovská, "5150". (Medium 1 37C)
16/56	D.Matějovská, "5566". (Medium 1 37C)
17/56	D.Matějovská, "281". (Medium 1 37C)
18/56	D.Matějovská, "478". (Medium 1 37C)
20/56	D.Matějovská, "303". (Medium 1 37C)
21/56	D.Matějovská, "273". (Medium 1 37C)
22/56	D.Matějovská, "53". (Medium 1 37C)
23/56	D.Matějovská, "633". (Medium 1 37C)
25/56	D.Matějovská, "19". (Medium 1 37C)
26/56	D.Matějovská, "293". (Medium 1 37C)
28/56	D.Matějovská, "275". (Medium 1 37C)
29/56	D.Matějovská, "197". (Medium 1 37C)
31/56	D.Matějovská, "479". (Medium 1 37C)
32/56	D.Matějovská, "25". (Medium 1 37C)
33/56	D.Matějovská, "693". (Medium 1 37C)
34/56	D.Matějovská, "297". (Medium 1 37C)
35/56	D.Matějovská, "477". (Medium 1 37C)
36/56	D.Matějovská, "198". (Medium 1 37C)
37/56	D.Matějovská, "195". (Medium 1 37C)
44/87	E.Aldová, IHE. Faeces "25302". (Medium 1 37C)
45/87	E.Aldová. Faeces "25816". (Medium 1 37C)
46/87	E.Aldová. Faeces "25790". (Medium 1 37C)

Providencia rettgeri (Hadley et al.) Brenner et al.

Prr	1/51	SZÚ, "4487". (Medium 1 37C)
	2/52	ÚEM, "7324". (Medium 1 37C)
	3/52	KHS, Gottwaldov, "7328". (Medium 1 37C)
Prr	5/52	KHS, Gottwaldov, "8822". (Medium 1 37C)
	7/54	ÚEM, "92". (Medium 1 37C)
	8/54	J.Seeman, ÚEM, "180". (Medium 1 37C)
Serovar 1a:1b		
	Prr 43/61J.	Sedlák, LFH KU - S.Namioka, R.Sakazaki, National Institute of Health, Tokyo, Japan, "T 65". (Medium 1 37C)
Serovar 1a:1c:2		
	Prr 44/61	S.Namioka, R.Sakazaki, "12/261". (Medium 1 37C)
Serovar 2a:2b:13		
	Prr 45/61	S.Namioka, R.Sakazaki, "1373". (Medium 1 37C)
Serovar 2a:2		
	Prr 46/61	S.Namioka, R.Sakazaki, "33/891". (Medium 1 37C)
Serovar 3:1		
	Prr 11/61	S.Namioka, R.Sakazaki, "R 1". (Medium 1 37C)
Serovar 4:2		
	Prr 12/61	S.Namioka, R.Sakazaki, "R 2". (Medium 1 37C)
Serovar 5:3		



Pr 13/61 S.Namioka, R.Sakazaki, "R 4". Media testing. (Medium 1 37C)  
Serovar 6:4  
Pr 14/61 S.Namioka, R.Sakazaki, "R 5". (Medium 1 37C)  
Serovar 7:5  
Pr 15/61 S.Namioka, R.Sakazaki, "R 6". (Medium 1 37C)  
Serovar 8:2  
Pr 16/61 S.Namioka, R.Sakazaki, "R 7". (Medium 1 37C)  
Serovar 9:6  
Pr 17/61 S.Namioka, R.Sakazaki, "R 8". (Medium 1 37C)  
Serovar 10:7  
Pr 18/61 S.Namioka, R.Sakazaki, "R 9". (Medium 1 37C)  
Serovar 11:16  
Pr 19/61 S.Namioka, R.Sakazaki, "R 10". (Medium 1 37C)  
Serovar 12:1  
Pr 20/61 S.Namioka, R.Sakazaki, "R 11". (Medium 1 37C)  
Serovar 13:1  
Pr 21/61 S.Namioka, R.Sakazaki, "R 12". (Medium 1 37C)  
Serovar 14:11  
Pr 22/61 S.Namioka, R.Sakazaki, "R 14". (Medium 1 37C)  
Serovar 15:21  
Pr 23/61 S.Namioka, R.Sakazaki, "R 15". (Medium 1 37C)  
Serovar 16:26  
Pr 24/61 S.Namioka, R.Sakazaki, "11/338". (Medium 1 37C)  
Serovar 17:C1  
Pr 25/61 S.Namioka, R.Sakazaki, "22/040". (Medium 1 37C)  
Serovar 18:17  
Pr 26/61 S.Namioka, R.Sakazaki, "47/63". (Medium 1 37C)  
Serovar 19:10  
Pr 27/61 S.Namioka, R.Sakazaki, "40/640". (Medium 1 37C)  
Serovar 20:15  
Pr 28/61 S.Namioka, R.Sakazaki, "2003" (Medium 1 37C)  
Serovar 21:9  
Pr 29/61 S.Namioka, R.Sakazaki, "42/655". (Medium 1 37C)  
Serovar 22:15  
Pr 30/61 S.Namioka, R.Sakazaki, "1904". (Medium 1 37C)  
Serovar 23:1  
Pr 31/61 S.Namioka, R.Sakazaki, "37/687". (Medium 1 37C)  
Serovar 24:12  
Pr 32/61 S.Namioka, R.Sakazaki, "36/617". (Medium 1 37C)  
Serovar 25:20  
Pr 33/61 S.Namioka, R.Sakazaki, "38/492". (Medium 1 37C)  
Serovar 26:22  
Pr 34/61 S.Namioka, R.Sakazaki, "E 858". (Medium 1 37C)  
Serovar 27:8  
Pr 35/61 S.Namioka, R.Sakazaki, "1372". (Medium 1 37C)  
Serovar 28:23  
Pr 36/61 S.Namioka, R.Sakazaki, "31/097". (Medium 1 37C)  
Serovar 29:4

Prr 37/61	S.Namioka, R.Sakazaki, "44/710". (Medium 1 37C)
Serovar 30:14	
Prr 38/61	S.Namioka, R.Sakazaki, "37/260". (Medium 1 37C)
Serovar 31:19	
Prr 39/61	S.Namioka, R.Sakazaki, "42/644". (Medium 1 37C)
Serovar 32:18	
Prr 40/61	S.Namioka, R.Sakazaki, "E 642". (Medium 1 37C)
Serovar 33:4	
Prr 41/61	S.Namioka, R.Sakazaki, "1/202". (Medium 1 37C)
Serovar 34:25	
Prr 42/61	S.Namioka, R.Sakazaki, "42/455". (Medium 1 37C)

Providencia stuartii (Buttiaux et al.) Ewing

Urease positive

Pv 7/54	ÚEM, "768". (Proteus inconstans). (Medium 1 37C)
9/54	ÚEM. Faeces "770". (Medium 1 37C) 10/54 ÚEM. Faeces "771". (Medium 1 37C)
38/87	E.Aldová, IHE. Urine "24509". (Medium 1 37C)
39/87	E.Aldová. ,stool "25811 ". (Medium 1 37C)
40/87	E.Aldová. Urine "26320". (Medium 1 37C)

Urease negative

Pv 11/55	E.Aldová, ÚEM(Proteusinconstans). Food "110" (Korean People s Democratic Republic. (Medium 1 37C)
19/56	D.Matějovská, "476". (Medium 1 37C)
Pv 24/56	D.Matějovská, "2357". (Medium T 37C) 27/56 D.Matějovská, "481". (Medium 1 37C) 30/56 D.Matějovská, "480". (Medium 1 37C,)
41/87	E.Aldová. Trachea "20236". (Medium 1 37C)
42/87	E.Aldová. Urine "23018". (Medium 1 37C)
43/87	E.Aldová. Urine "23171". (Medium 1 37C)

Pseudomonas acidovorans den Dooren de Jong

Ps 65/66	M.Polster, MÚ - H.H.Gray, McGill University, Quebec, Canada (Pseudomonas indoloxidans). For indole determination. (Medium 1 30C)
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Pseudomonas aeruginosa (Schroeter) Migula

Ps1/33	SZÚ,"Blue". (Medium 1 37C)
2/33 SZÚ,	"Neumann". (Medium 1 37C)
3/33 SZÚ,	"Urban II". (Medium 1 37C)
4/33 SZÚ,	"Gamma". (Medium 1 37C)
5/40 SZÚ,	"10735". (Medium 1 37C)
6/41 SZÚ,	"1980". (Medium 1 37C)
7/42 SZÚ,	"56200". (Medium 1 37C)
8/43 SZÚ,	"27903". (Medium 1 37C)
9/43 SZÚ,	"53016". (Medium 1 37C)
11/43 SZÚ,	"134288". (Medium 1 37C)
18/49 SZÚ,	"2". (Medium 1 37C)
19/51 SZÚ,	"11276". (Medium 1 37C)

- 20/56 J.Sedlák, LFH KU - J.Kathe, HI, Rostock, GDR, "a 7". (Medium 1 37C)
- 21/56 J.Kathe, "a 92". (Medium 1 37C)
- 22/56 J.Kathe, "a,c,b1". (Medium 1 37C)
- 23/56 J.Kathe, "b 20". (Medium 1 37C)
- 24/56 J.Kathe, "b 46". (Medium 1 37C)
- 25/56 J.Kathe, "c 32". (Medium 1 37C)
- 26/56 J.Kathe, "c 55". (Medium 1 37C)
- 27/56 J.Kathe, "d 158". (Medium 1 37C)
- 28/56 J.Kathe, "d 121". (Medium 1 37C)
- 29/56 J.Kathe, "f 112". (Medium 1 37C)
- 30/56 J.Kathe, "g 139". (Medium 1 37C)
- 31/60 W.Kdhler, Institut für Mikrobiologie und experimentelle Therapie, Jena, GDR, "h 758". (Medium 1 37C)
- 32/63 W.W.Wright, Division of Antibiotics, Washington, USA, "WHO 13". For titration of colistin, polymyxin 8, gentamicin. (Medium 1 37C)
- 33/63 W.W.Wright, "WHO 15". For titration of colistin, polymyxin B, gentamicin. (Medium 1 37C)
- 34/64 M.Polster, MÚ. Urine "2776". Producer of red pigment. (Medium 1 20C)
- 35/64 M.Polster. Urine "9225". Producer of red pigment. (Medium 1 20C)
- 36/64 M.Polster. Wound "33342". Producer of red pigment. (Medium 1 20C)
- 52/66 J.Zahradnický, LF KU - W.Kdhler, "V 5933", "Habs 01". (Medium 1 37C)
- 53/66 W.Kahler, "4821", "Habs 02". (Medium 137C)
- 54/66 W.Kbhlner, "13264", "Habs 03". (Medium 1 37C)
- 55/66 W.Kdhler, "V 5936", "Habs 04". (Medium 1 37C)
- 56/66 W.Kdhler, "A 486", Habs 05". Media testing. (Medium 1 37C)
- 57/66 W.Kuhler, "V 5939", Habs 06". (Medium 1 37C)
- 58/66 W.Kdhler, "A 443", "Habs 07". (Medium 1 37C)
- 59/66 W.Kdhler, "V 5940", "Habs 08". (Medium 1 37C) \_
- 60/66 W.Kdhler, "14811", "Habs 09". (Medium 1 37C)
- 61/66 W.Kdhler, "U 3433", "Habs 010". (Medium 1 37C)
- 62/66 W.Kdhler, "121", "Habs 011". (Medium 1 37C)
- 63/66 O.Sandvik, Institut for Mikrobiologi og Immunologi, Oslo, Norway - -  
H.Kleinmaier, Universität Heidelberg, FRG, "6816/55", "Habs 012". (Medium 1 37C)
- 38/65 R.Wokatsch, Bernhard-Nocht-Institut für Schiffs- und Tropenkrankheiten, Hamburg, FRG, "013". (Medium 1 37C)
- 39/65 R.Wokatsch, "014". (Medium 1 37C)
- 40/65 R.Wokatsch, "015". (Medium 1 37C)
- 41/65 R.Wokatsch, "016". (Medium 1 37C)
- 42/65 R.Wokatsch, "017". (Medium 1 37C)
- 43/65 R.Wokatsch, "018". (Medium 1 37C)
- 44/65 R.Wokatsch, "019". (Medium 1 37C)
- 45/65 R.Wokatsch, "020". (Medium 1 37C)
- 46/65 R.Wokatsch, "021". (Medium 1 37C)
- 47/65 R.Wokatsch, "022". (Medium 1 37C)
- 48/65 R.Wokatsch, "023". (Medium 1 37C)
- 49/65 R.Wokatsch, "024 I". (Medium 1 37C)
- 50/65 R.Wokatsch, "024 II". (Medium 1 37C)
- 51/65 R.Wokatsch, "025". (Medium 1 37C)

Type 01: H 1  
 Ps 80/71 OKI, "170001". (Medium 1 37C)

Type 1:2a,2b  
 Ps 81/71 OKI, "171059". (Medium 1 37C)

Type 1:2a,2c  
 Ps 82/71 OKI, "171031". (Medium 1 37C)

Type 2:1  
 Ps 83/71 OKI, "171076". (Medium 1 37C)

Type 2:2a,2b  
 Ps 84/71 OKI, "170002". (Medium 1 37C)

Type 2:2a,2c  
 Ps 85/71 OKI, "171074". (Medium 1 37C)

Type 3a,3b:1  
 Ps 86/71 OKI, "170003". (Medium 1 37C)

Type 3c:1  
 Ps 87/71 OKI, "170004". (Medium 1 37C)

Type 3a,3d:1  
 Ps 88/71 OKI, "170005". (Medium 1 37C)

Type 3a,3d:2a,2b,2f  
 Ps 89/71 OKI, "171175" . (Medium 1 37C)

Type 3a,3d,3c:1  
 Ps 90/71 OKI, "170006". (Medium 1 37C)

Type 3a,3d,3c:2a,2c  
 Ps 91/71 OKI, "171188". (Medium 1 37C)

Type 3d,3f:1  
 Ps 92/71 OKI, "170007". (Medium 1 37C)

Type 3d,3f:2a,2b,2f  
 Ps 93/71 OKI, "171192". (Medium 1 37C)

Type 4a,4b:2a,2b  
 Ps 94/71 OKI, "170008". (Medium 1 37C)

Type 4a,4b:2a,2d,2e,2f  
 Ps 95/71 OKI, "171289". (Medium 1 37C)

Type 4a,4c:-  
 Ps 96/71 OKI, "170009". (Medium 1 37C)

Type 4a,4c:1  
 Ps 97/71 OKI, "171230". (Medium 1 37C)

Type 4a,4c:2a,2b,2f  
 Ps 98/71 OKI, "171252". (Medium 1 37C)

Type 4a;4c:2a,2c  
 Ps 99/71 OKI, "171269". (Medium 1 37C)

Type 4a,4c:2a,2c,2f  
 Ps 100/71 OKI, "171248". (Medium 1 37C)

Type 4a,4d:2a,2b,2f  
 Ps 101/71 OKI, "170010". (Medium 1 37C)

Type 4a,4d:2a,2c,2f  
 Ps 102/71 OKI, "171272". (Medium 1 37C)

Type 5a,5b,5c:1  
 Ps 103/71 OKI, "170011". (Medium]. 37C)

Type 5a,5b,5c:2a,2d  
Ps 104/71 OKI, "171304". (Medium 1 37C)

Type 5a,5b,5d:1  
Ps 105/71 OKI, "171312". (Medium 1 37C)

Type 5a,5b,5d:2a,2d  
Ps 106/71 OKI, "170012". (Medium 1 37C)

Type 5a,5d:1  
Ps 107/71 OKI, "170013". (Medium 1 37C)

Type 5a,5d:2a,2c  
Ps 108/71 OKI, "171348". (Medium 1 37C)

Type 5a,5d:2a,2d  
Ps 109/71 OKI, "171338". (Medium 1 37C)

Type 6:1  
Ps 110/71 OKI, "171350". (Medium 1 37C)

Type 6:2a,2b  
Ps 111/71 OKI, "170014". (Medium 1 37C)

Type 6:2a,2c  
Ps 112/71 OKI, "171365". (Medium 1 37C)

Type 7a,7b:1  
Ps 113/71 OKI, "171401". (Medium 1 37C)

Type 7a,7b:2a,2c  
Ps 114/71 OKI, "170015". (Medium 1 37C)

Type 7a,7b:2a,2d  
Ps 115/71 OKI, "171420". (Medium 1 37C)

Type 7a,7c:1  
Ps 116/71 OKI, "171447". (Medium 1 37C)

Type 7a,7c:2a,2b  
Ps 117/71 OKI, "171445". (Medium 1 37C)

Type 7a,7c:2a,2c  
Ps 118/71 OKI, "170016". (Medium 1 37C)

Type 8:1  
Ps 119/71 OKI, "170017". (Medium 1 37C)

Type 9:2a,2d  
Ps 120/71 OKI, "171453". (Medium 1 37C)

Type 9:2a,(2d),2e,2f  
Ps 121/71 OKI, "170018". (Medium 1 37C)

Type 10a:1  
Ps 122/71 OKI, "170019". (Medium 1 37C)

Type 10a:2a,2b,2f  
Ps 123/71 OKI, "171464". (Medium 1 37C)

Type 10a:2a,2c  
Ps 124/71 OKI, "171455". (Medium 1 37C)

Type 10a,10b:1  
Ps 125/71 OKI, "171478". (Medium 1 37C)

Type 10a,10b:2a,2c  
Ps 126/71 OKI, "170020". (Medium 1 37C)

Type  
Ps 127/71 OKI, "171483". (Medium 1 37C)

- Type 11:2a,2c  
 Ps 128/71 OKI, "171492". (Medium 1 37C)
- Type 11:2a,2c,2f  
 Ps 129/71 OKI, "170021". (Medium 1 37C)
- Type 12:1  
 Ps 130/71 OKI, "170022". (Medium 1 37C)
- Type 12:2a,2c  
 Ps 131/71 OKI, "171518". (Medium 1 37C)
- Type 13:1  
 Ps 132/71 OKI, "170023". (Medium 1 37C)
- Ps
- 134/76 B.Brzin, Institute of Microbiology, Ljubljana, Yugoslaviá, "RJAVI". Producer of brown melanogenic pigment. (Medium 1 37C)
- 135/77 J.Zahradnický - E.Meitert, IC. Urinary infection "1". Serotype I. (Medium 1 37C)
- 136/77 E.Meitert. Urinary infection "32". Serotype II. (Medium 1 37C)
- 137/77 E.Meitert. Meningitis "13". Serotype III. (Medium 1 37C)
- 138/77 E.Meitert.Nasal infection "770". Serotype IV. (Medium 1 37C)
- 139/77 E.Meitert.Coproculture "65". Serotype V. (Medium 1 37G)
- 140/77 E.Meitert.Peritonitis "26". Serotype VI. (Medium 1 37C)
- 141/77 E.Meitert.Septicaemia"360". Serotype VII. (Medium 1 37C)
- 142/77 E.Meitert.Pharyngitis "981". Serotype VIII. (Medium 1 37C)
- 143/77 E.Meitert. Pulmonary infection "42". Serotype IX. (Medium 1 37C)
- 144/77 E.Meitert. Water "1061". Serotype X. (Medium 1 37C)
- 145/77 E.Meitert. water "1816". Serotype XI. (Medium 1 37C)
- 146/77 E.Meitert. Mastoiditis "3451". Serotype XII. (Medium 1 37C)
- 147/77 E.Meitert. Pharyngitis "3061". Serotype XIII. (Medium 1 37C)
- 148/77 E.Meitert. Urinary infection "3075". Serotype XIV. (Medium 1 37C)
- 149/77 E.Meitert. Coproculture "3372". Serotype XV. (Medium 1 37C)
- 150/77 E.Meitert. Burn "3512". Serotype XVI. (Medium 1 37C)
- 151/77 E.Meitert. Burn "3765". Serotype XVII. (Medium 1 37C)
- 166/78 Z.Jedličková, ÚDL. Burn "1 D". Complex toxic haemolysin (fractions I, II,III). (Medium 1 37C)

Pseudomonas alcaligenes Monias

- 5784 Ps 152/77 O.Lysenko, CCEB, "759" - ATCC, "14909". Swimming-pool water. Type strain. (Medium 1 37C)

Pseudomonas amyloclavata

- 5783 Ps 169/79 ATCC, "21262". Soil. Production of bacterial isoamylase. (Medium 2 30C)

Pseudomonas cepacia (Burkholder) Palleroni and Holmes

- 5634 Ps 156/77 O.Lysenko, CCEB, "669" - ATCC, "25416". Type strain. (Medium 1 30C)

Pseudomonas diminuta Leifson and Hugh

5825 Ps 170/79 ATCC, "11568", NCTC, "8545". Water. Production of coenzyme Q-10. Type strain.(Medium 1 30C)

Pseudomonas fluorescens Migula

5793 Ps 154/77 O.Lysenko, CCEB, "546" - ATCC, "13525", NCTC, "10038". Pre-filter tanks. Neotype. (Medium 1 20C)type strain

Stenotrophomonas maltophilia Hugh and Ryschenkow

5821 Ps 155/77 O.Lysenko, CCEB, "761" - ATCC, "13637", NCTC, "10257". Oropharyngeal region of patient with mouth cancer. Type strain.(Medium 1 37C)

Pseudomonas mendocina Palleroni

Ps 167/68 O.Lysenko, CCEB, "849" - NCIB, "10541". (Medium 1 37C)

Pseudomonas paucimobilis Holmes et al.

Ps 184/88 P.Kohút, Katedra lékařské mikrobiologie a imunologie (Chair of Medical Microbiology and Immunology), Brati slava. Urine "14927". (Medium 2 37C, CO<sub>2</sub>)

Ralstonia pickettii Ralston et al.

5826 Ps 164/78 ATCC, "27511", NCTC, "11149". Patient who had undergone tracheotomy. Type strain.(Medium 1 30C)

Pseudomonas pseudoalcaligenes Stanier

Ps 160/78 O.Lysenko, CCEB, "851" - NCIB, "9946". (Medium 1 37C)

Pseudomonas putida (Trevisan) Migula

5802 Ps 161/78 O.Lysenko, CCEB, "848" - ATCC, "12633", NCTC, "10936" (*Pseudomonas fluorescens*). Phage host. Type strain.(Medium 1 30C)

Pseudomonas putrefaciens see Shewanella putre- faciesPseudomonas sp.

Ps 10/43 SZÚ, " 1044473" (*Pseudomonas nonliquefaciens*). (Medium 1 37C)

12/43 SZÚ, "3651" (*Pseudomonas non-liquefaciens*). (Medium 1 37C)

13/43 SZÚ, "Carp" (*Pseudomonas non-liquefaciens*). (Medium 1 37C)

16/47 SZÚ (*Pseudomonas non-liquefaciens*). (Medium 1 30C)

17/49 SZÚ. Liquor "4025". (Medium 1 20C)

Pseudomonas stutzeri (Lehmann and Neumann) Sijderius

5484 Ps 157/77 O.Lysenko, CCEB, "859" - ATCC, "17588". Spinal fluid. Type strain.(Medium 1 37C)

Comamonas testosteroni Talalay

5822 Ps 165/78 CCM, "1931" - ATCC, "11996", NCTC, "10698". Production of 9- $\alpha$ -hydroxysteroids. Type strain.(Medium 5 30C)

Rahnella aquatilis Izard et al.

7019 Eb 1/81 E.Aldová, IHE -F.Gavini, Institut National de la Santé et de la Recherche Médicale, Villeneuve-dAscq, France, "77-115", ATCC, "33071". Drinking water. Type strain.(Medium 1 37C)

Rhodococcus equi (Magnusson) Goodfellow and Alderson

5055	Cor86/85	B.Skařka, VřV, A.řvavov, SV,Pardubice. Dead foal lungs "PA 9". Pro-ducer of equi-factor. (Medium 2 37C)ref76
7020	Cor 91/88	B.Skařka - J.F.Prescott, "1/81". Foal. Capsular serotype 1. (Medium 2 37C)
7021	92/88	B.Skařka - J.F.Prescott,"8/81". Foal. Capsular serotype 2. (Medium 2 37C)
7022	93/88	B.Skařka - J.F.Prescott, "17/81". Foal. Capsular serotype 3. (Medium 2 37C)
7023	94/88	B.Skařka - J.F.Prescott,"43/81". Foal. Capsular serotype 4. (Medium 2 37C)
7024	95/88	B.Skařka - J.F.Prescott, "39/81". Foal. Capsular serotype 5. (Medium 2 37C)
7025	96/88	B.Skařka - J.F.Prescott,"97/81". Foal. Capsular serotype 6. (Medium 2 37C)
7026	97/88	B.Skařka - J.F.Prescott,"80/81". Foal. Capsular serotype 7. (Medium 2 37C)
7827	98/88	B.Skařka - J.F.Prescott,"Martens". Man. Capsular serotype 8. (Medium 2 37C)

Rhodococcus fascians (Tilford) Goodfellow

666 Cor 66/77 ATCC, "12974" (*Corynebacterium fascians*). Production of 5-nucleotides by cell-culture on hydrocarbons and subsequent degradation of intracellular RNA at alkaline pH. Type strain.(Medium 22 26C)

Cor

80/80	E.Petr, M.Uřrychov,stav experimentln botaniky řSAV (Institute of Experimental Botany of CAS), Praha, "CF4a". Root explant of <i>Apium graveolens</i> L. Avirulent strain. (Medium 22 26C)
81/80	M.Uřrychov, E.Petr, "CF1b". Fasciations of <i>Pelargonium zonale</i> W. Avirulent strain. (Medium 22 26C)
82/81	M.Uřrychov, E.Petr, "UP". Fasciations of <i>Pelargonium zonale</i> W. Virulent strain. (Medium 22 26C)
83/82	M.Uřrychov, E.Petr,"UPR". R-form from strain Cor 82/81. (Medium 22 26C)
85/83	M.Uřrychov, E.Petr. <i>Lilium bulbiferum</i> L. (Medium 22 26C)

Rothia dentocariosa (Onishi) Georg and Brown

No 4/68	ATCC, "17931". Carious teeth. Neotype. (Medium 22 37C)
5/72	ATCC, "19426" (Type strain of <i>Nocardia salivae</i> ). (Medium 22 37C)
6/72	ATCC, "14189". Human carious teeth. (Medium 22 37C)

Salmonella aarhus

18'z4z23:z64 Sm 38/87 H.Miillerov, IHE -sv, Lysolaje.Poultry "RL 48/87".(Medium 1 37C)

Salmonella aberdeen

11:i:1,2 SK 90 F.Kauffmann, Sts. (Medium 1 37C)

Salmonella abony

1,4,(5),12:b:e,n,x SK 103 F.Kauffmann. (Medium 1 37C)

Salmonella abortusbovis

1,4,12,27:b:e,n,x SK 28 F.Kauffmann,"1960". (Medium 1 37C)

1,4,12,27:(b):e,n,x 29 F.Kauffmann,"1960". (Medium 1 37C)

Salmonella abortusbovis H<sub>2</sub>S - negative variant

4,12,27:b:e,n,x Sm 5/87 I.Older, VPL, "83-85/Id".(Medium 1 37C)

Salmonella abortusequi

4,12:-:e,n,x SK 26 F.Kauffmann, "B 202". (Medium 1 37C)

4,12:-:e,n,x 270 F.Kauffmann "WH 2".  
(Medium 1 37C)

Salmonella abortusovis

4,12:c:1,6 SK 27 F.Kauffmann,"4195". (Medium 1 37C)



Salmonella adamstowne

28:k:1,6 Sm 51/87 H.Miillerová - M.  
Tarabčák, KHS, Košice. Stool "215/84". (Medium 1 37C)

Salmonella adelaide

35:f,g:- SK 161 F.Kauffmann. (Medium 1 37C)

Salmonella ago

30:z<sub>38</sub>:- SK 36R R.Rohde, Hl, Hamburg, FRG. (Medium 1 37C)

Salmonella agona

1,4,12:f,g,s:- SK 699 D.Matějovská, IHE. (Medium 1 37C)

Salmonella alachua

35:z<sub>4</sub>,z<sub>23</sub>:- SK 1218 R.Rohde. (Medium 1 37C)

Salmonella albany

8:z<sub>4</sub>,z<sub>24</sub>:- Sm 44/87 H.Miillerová. Foodstuff smear "RL 104/86". (Medium 1 37C)

Salmonella altendorf

4,12,27:c:1,7 SK 124 F.Kauffmann,"297". (Medium 1 37C)

Salmonella altona

8,20:r,(i):z<sub>6</sub> Sm 26/87 H.Miillerová, KHS, Brno. Stool"RL 190/84".(Medium 1 37C)

Salmonella amaquer

3,10:y:1,2 SK 81 F.Kauffmann, "2399". (Medium 1 37C)

Salmonella amersfoort

6,7:d:e,n,x SK 48 F.Kauffmann. (Medium 1 37C)

Salmonella amherstiana

(8):1,v:1,6 SK 132 F.Kauffmann,"78". (Medium 1 37C)

Salmonella amsterdam

3,10:g,m,s:- Sm 22/87 I.Odler. Stool "46/Id.-87". (Medium 1 37C)

3,10:g,m,s :- 49/87 H.Miillerová - M. Tarabčák. Stool "T 197/85".(Medium 1 37C)

Salmonella anatum

3,10:e,h:1,6 SK 78 F.Kauffmann, "293". (Medium 1 37C)

Salmonella ardwick

6,(7),(14) :f,g:- SK 713 F.Kauffmann. (Medium 1 37C)

Salmonella arechavaleta

4,(5),12:a:1,7 SK 131 F.Kauffmann. (Medium 1 37C)

Salmonella argentina

6,7:z<sub>36</sub>:- SK 1672 L.LeMinor,IP. (Medium 1 37C)

"Salmonella arizona"

33:z<sub>4</sub>'z<sub>23</sub>'z<sub>26</sub>:- SK 125 F.Kauffmann. (Medium 1 37C)

Salmonella arizonae (Borman) Kauffmann (Arizona arizonae)

Serovar: Arizona (A) salmonella (S) (A)1,2:1,2,5:- (S)51:z<sub>4</sub>,z<sub>23</sub>'-

Ar 1/50 J.Sedlák, LFH KU - M.W.Wright, CDC<sub>2</sub>, "Dc 5". (Medium 1 37C)

(A)1,3:1,2,10:- (S)44:z<sub>4</sub>'z<sub>23</sub>.z<sub>32</sub>

Ar 2/50 M.W.Wright, "NI 78". (Medium 1 37C) (4)1,4:1,2,5:-(S) 53:z<sub>4</sub>.z<sub>23</sub>'

Ar 3/50 M.W.Wright,"CDAI 44". (Medium 1 37C)

(4)5:1,3,11:- (S)48:z<sub>4</sub>'z<sub>24</sub>'

Ar 4/50 M.W .Wright, "S 39". (Medium 1 37C)

(4)5,29:17,20:: (S)48:z<sub>36</sub>:-

Ar 22/63 R.Rohde,Hl, Hamburg, FRG, "1840-54". (Medium 1 37C)

(A)6:1,2,5:- (S)62:z<sub>4</sub>,z<sub>23</sub>:-

- Ar 5/50 M.W.Wright, "Cal 166". (Medium 1 37C)  
 (4)6:13,14:- (S)62:g,z51:-  
 Ar 27/68 L.LeMinor, IP, "3050". For 0 62 Salmonella serum preparation. (Medium 1 37C)  
 (A)7a,7b:1,7,8:- (S)18:z4'z32`-  
 Ar 6/50 M.W.Wright,"CDAI 184". (Medium 1 37C)  
 (A)7a,7b:1,2,6:- (S)18:z4,z23`-  
 Ar 23/63 R.Rohde, "2432-53". (Medium 1 37C) (4)7a,7c:27:(31):(38) (S)(6),14:z10:(z)tz56  
 Ar 24/63 R.Rohde, "1995-58". For H z56 Sal-  
 monella serum preparation. (Medium 1 37C)  
 (4)8:1,7,8:- (S)63:z4,z32:-  
 Ar 25/63 R.Rohde,"CDAI 426". (Medium 1 37C) (4)8:1,7,8:- (S)63:z4,z32:-  
 Ar 25/68 L.LeMinor, "CDAI 426". For 0 63 Salmonella serum preparation. (Medium 1 37C)  
 (4)8:13,14:- (S)63:g,z51'  
 Ar 7/50 M.M.Wright, "So 20". (Medium 1 37C)  
 (4)9:13,15:- (S)50:g:-  
 Ar 8/50 M.M.Wright,"N 99". (Medium 1 37C)  
 (A)9a,9b:13,15:- (S)50 :g  
 Ar 28/68 L.LeMinor. (Medium 1 37C) (A)9a,9c:33,41:- (S)50:i:-  
 Ar 29/68 L.LeMinor. (Medium 1 37C) (4)10:1,2,6:- (S)40:z4,z23:-  
 Ar 9/50 M.W.Wright, "36608". (Medium 1 37C)  
 (4)11:16,17,18:- (S)45:z29:-  
 Ar 10/63 R.Rohde, "Ore 181". (Medium 1 37C) (4)12:1,6,7:- (S)17:z4,z32`-  
 Ar 11/63 R.Rohde, "Sp 21". (Medium 1 37C) (4)13:13,14:- (S)41:g,z51'  
 Ar 26/63 R.Rohde, "NJ 4". (Medium 1 37C) (4)13:17,20:- (S)41:z36:  
 Ar 12/50 M.W.Wright, "So 28". (Medium 1 37C) (4)14:1,6,7,9 (S)56:z4,z23,z32  
 Ar 13/63 R.Rohde, "Pc 123". (Medium 1 37C)  
 (4)15:13,14:- (S),42:g,z51'  
 Ar 14/63 F.Kauffmann,Sts, "Pc 139". (Medium 1 37C)  
 (4)16:13,14:- (S)38:g,z51`  
 Ar 15/63 F.Kauffmann, "So 34". (Medium 1 37C) (4)16:22:37:- (S)38:(k):z55  
 Ar 30/68 L.LeMinor, "2224-56". For H z55 Salmonella serum preparation. (Medium 1 37C)  
 (4)16:23:34 (S)38:1,v:z54  
 Ar 31/68 L.LeMinor, "594-S4. For H z54  
 Salmonella serum preparation. (Medium 1 37C)  
 (A)17:1,2,5:- (S)11.z4'z23:-  
 Ar 16/50 M.W.Wright, "Mont 1". (Medium 1 37C)

- (A)17:29:25 (S)11:k:z<sub>53</sub>  
Ar 32/68 L.LeMinor. For H z<sub>53</sub> Salmonella  
serum preparation.(Medium 1 37C) (4)18:13,14:-  
(S)1,13,23:g,z<sub>51</sub>  
Ar 17/50 M.W.Wright, "So 5". (Medium 1 37C) (4)19:1,2,5:-  
(S)59:z<sub>4</sub>,z<sub>23</sub>  
Ar 18/50 M.W.Wright, "Pc 145". (Medium 1 37C)  
(A)20:1,2,6:- (S)35:z<sub>4</sub>,z<sub>23</sub>  
Ar 19/50 M.W.Wright, "Pc 148". (Medium 1 37C)
- (A)21:1,2,5:- (S)43:z<sub>4</sub>,z<sub>23</sub>  
Ar 20/50 M.W.Wright, "Pc 167". (Medium 1 37C)
- (A)22:16,17,18:- (S)21:z<sub>29</sub>  
Ar 21/50 M.W.Wright, "So 116". (Medium 1 37C)  
(A)29:33:40 (S)64:i:(z<sub>35</sub>):(z<sub>57</sub>)  
Ar 33a/68 L.LeMinor, "2907-58". For 0 64 salmonella serum  
preparation. (Medium 1 37C)
- (A)29:33:40 (S)64:i:(z<sub>35</sub>):(z<sub>57</sub>) Ar 33b/68 L.LeMinor, "2907-58". For H z<sub>57</sub>  
salmonella serum preparation. (Medium 1 37C)
- (A)30:22:25 (S)65:(k):z<sub>53</sub>  
Ar 34/68 L.LeMinor, "6036-37". For 0 65 salmonella serum  
preparation. (Medium 1 37C)
- (S)50:k:z  
Sm 15/87 I.Odler. Stool "48/M-85".(Medium 1 37C)
- (S)61:1,v:1,5  
Sm 29/87 H.Miillerová - OHS, Kolín. Stool "RL 189/84".(Medium 1 37C)
- (S)61:k:1,5,7  
Sm 30/87 H.Miillerová -KHS, České Budějovice. Nasal smear "RL 206/84".  
(Medium 1 37C)
- (S)48:k:z<sub>35</sub>  
Sm 39/87 H.Miillerová - ÚSVÚ,Lysolaje. Snake "RL 54/87". (Medium 1 37C)
- (S)61:z<sub>52</sub>:1,5,7  
Sm 42/87 H.Miillerová - KHS,Plzeň. Throat "RL 86/87". (Medium 1 37C)\_
- (S)61:c:z<sub>35</sub>  
Sm 43/87 H.Miillerová -KHS, České Budějovice. Stool "95/86". (Medium 1 37C)  
(S)60:z<sub>52</sub>z<sub>53</sub>  
Sm 55/87 H.Miillerová - MVP, Praha 4. Cloacal smear "R1 5/85". (Medium 1 37C)
- (S)47:k:1,5,7  
Sm 56/87 H.Miillerová - OHS, Opava. Snake urine "R1 35/85". (Medium 1 37C)

Salmonella artis

56:b:- sk 1320 F.Kauffmann. (Medium 1 37C)

Salmonella atlanta

13,23:b:- SK 252 G.Wildfiihr, HI, Leipzig, GDR - HI, Bonn, FRG. (Medium 1 37C)

Salmonella bahrenfeld

6,14,24:e,h :1,5 Sm 46/87 H.Miillerová - KHS, Brno. Faeces of green anaconda (Eunectes murinus) "RL 119/86". (Medium 1 37C)

"Salmonella ballerup"

29,Vi:z<sub>14</sub>:- SK 107 F.Kauffmann (Bethesda-Ballerup Group). (Medium 1 37C)

Salmonella bandia

35:i:1,w SK 444/89 S.Aleksič, HI, Hamburg, FRG, "IP 444/68". (Medium 1 37C)

Salmonella bareilly

6,7:y:1,5 SK 44 F.Kauffmann, "3213".  
(Medium 1 37C)

Salmonella basel

58:1,z<sub>13</sub>,1,z<sub>28</sub>:1,5 SK 1393 F.Kauffmann. (Medium 1 37C)

Salmonella beloha

18:z<sub>36</sub>:- SK 1423 R.Rohde. (Medium 1 37C)

Salmonella bere

47:z<sub>4</sub>,z<sub>23</sub>:- Sm 27/87 H.Miillerová- Motol Hospital. Stool "RL 109/84". Monophasic variant.  
(Medium 1 37C)

Salmonella bergen

47:i:e,n,z<sub>15</sub> SK 701 RKI. (Medium 1 37C)

Salmonella berta

1,9,12:f,g,t:- SK 69 F.Kauffmann. (Medium 1 37C)

Salmonella betioky

59:k:(z) SK 1425 F.Kauffmann. (Medium 1 37C)

Salmonella bilthoven

47:a:(1,5) SK 1321 F.Kauffmann. (Medium 1 37C)

Salmonella binza

3,15:y:1,5 Sm 20/87 I.Odler. Stool "6/Id-83". (Medium 1 37C)

Salmonella bispebjerg

1,4,(5),12:a:e,n,x SK 25 F.Kauffmann, "9447".  
(Medium 1 37C)

Salmonella blegdam

9,12:g,m,q:- SK 68, F.Kauffmann,"22". (Medium 1 37C)

Salmonella blockley

6,8:k:1,5 Sm 21/87 I.Odler. Stool "273/Id-82". (Medium 1 37C)

Salmonella bloemfontein6,7:b:(e,n,x):z<sub>42</sub> SK 887 F.Kauffmann. (Medium 1 37C)Salmonella bockenheim1,53:z<sub>36</sub>,z<sub>38</sub>:- SK 1659 L.Leminor. (Medium 1 37C)Salmonella boecker

(1),6,14,(25):1,v:1,7 SK 518 F.Kauffmann. (Medium 1 37C)

Salmonella bonaire50:z<sub>4</sub>,z<sub>32</sub>:- SK 1323 R.Rohde. (Medium 1 37C)Salmonella bonariensis

6,8:i:e,n,x SK 145 F.Kauffmann "C 12". (Medium 1 37C)

Salmonella bonpor Leminor et al.48:z<sub>35</sub>:- SK 3R R.Rohde. (Medium 1 37C)Salmonella bovismorbificans

6,8:r:1,5 SK 553 F.Kauffmann, "3640". (Medium 1 37C)

Salmonella braenderup6,7:e,h:e,n,z<sub>15</sub> SK 49 F.Kauffmann, "3022". (Medium 1 37C)Salmonella brandenburg1,4,12:1,v:e,n,z<sub>15</sub> SK 24 F.Kauffmann. (Medium 1 37C)Salmonella bredeney

1,4,12,27:1,v:1,7 SK 112 F.Kauffmann, "25". (Medium 1 37C)

1,4,12,27:1,v:1,7 30 F.Kauffmann, "1051". (Medium 1 37C)

1,4,12,27:1,v:1,7 210 F.Kauffmann. (Medium 1 37C)

Salmonella brezany4,12:d:1,6 Sm 60/90 D.Matějovská, IHE - B.Štolc, Městské veterinární zařízení  
(Municipal Veterinary Establishment) Praha. Organs of  
septicemic calf "308/75". (Medium 1 37C)Salmonella budapest

1,4,12:g,t:- SK 23 F.Kauffmann. (Medium 1 37C)

Salmonella bukavu1,40<sub>1</sub>,40<sub>3</sub>:1,z<sub>28</sub>:1,5 SK 1044 F.Kauffmann. (Medium 1 37C)Salmonella bulawayo1,40<sub>1</sub>,40<sub>2</sub>:z:1,5 SK 813 F.Kauffmann. (Medium 1 37C)"Salmonella bulovka"6,7:z<sub>44</sub>:- Sm 59/88 D.Kováčová, IHE - Bulovka Hospital. Stopl "9/88". (Medium 1  
37C)

Salmonella bunnik43:z<sub>42</sub>:(1,5,7) SK 1249 F.Kauffmann. (Medium 1 37C)Salmonella butantan

3,10:b:1,5 Sm 47/87 H.Miillerová - M. Tarabčák. Stool "T 90/85". (Yemen People s Democratic Republic). (Medium 1 37C)

Salmonella cairina3,10:z<sub>35</sub>:z<sub>6</sub> SK 391 F.Kauffmann. (Medium 1 37C)Salmonella californica

4,12:g,m,t:- SK 104 F.Kauffmann, "55". (Medium 1 37C)

Salmonella canopa

3,15,34:g,s,t:- SK 276 R.Rohde. (Medium 1 37C)

Salmonella cardiff

6,7:k:1,10 SK 157 K.Rauss, EMI, "D19970". (Medium 1 37C)

Salmonella carrau

6,14,(24):y:1,7 SK 93 F.Kauffmann, "34". (Medium 1 37C)

Salmonella cerro6,14,18:z<sub>4</sub>,z<sub>23</sub>:(1,5) SK 100 F.Kauffmann, "415". (Medium 1 37C)Salmonella coeln

4,(5),12:y:1,2 Sm 18/87 I.Odler. Stool "135/Id.-85". (Medium 1 37C)

Salmonella cubana1,13,23:z<sub>29</sub>:- Sm 19/87 I.Odler. Stool "75/Id.-83". (Medium 1 37C)"Salmonella chameleon"16:z<sub>4</sub>,z<sub>32</sub>:- SK 1684 L.Lemnor. (Medium 1 37C)Salmonella champaign

39:k:1,5 SK 169 F.Kauffmann, "268". (Medium 1 37C)

Salmonella chester

4,(5),12:e,h:e,n,x SK 17 F.Kauffmann. (Medium 1 37C)

4,12:e,h:e,n,x Sm 50/87 H.Miillerová - M. Tarabčák. Stool "T 209/85" (Yemen People s Democratic Republic). (Medium 1 37C)

Salmonella chittagonp(1),3,10,(19):b:z<sub>35</sub> SK 197 F.Kauffmann, "21340". (Medium 1 37C)Salmonella choleraesuis (Smith) waldin

6,7:c:- SK 211 F.Kauffmann. (Medium 1 37C)

6,7:(c):1,5 34 G.Wildfiihr. Media testing. (Medium 1 37C)

-:c:-spec.rough 35 F.Kauffmann, "1535". (Medium 1 37C)

Salmonella choleraesuis subsp.kunzendorf Schutze et al.

67-:1,5 SK 36 F.Kauffmann, "1350". (Medium 1 37C)

62,7:-:1,5 37 F.Kauffmann, "5210". (Medium 1 37C)

Salmonella claibornei

1,9,12:k:1,5 SK 162 K.Rauss. (Medium 1 37C)

"Salmonella coli 1"

31:-:1,5,vi SK 343 F.Kauffmann, "2624/36", now Citrobacter. (Medium 1 37C)

"Salmonella coli 2"

32:-:1,5 SK 344 F.Kauffmann, "491/36", now Citrobacter. (Medium 1 37C)

"Salmonella coli 3"4,5,12:z<sub>20</sub>:- SK 345 F.Kauffmann, "Zirich", now Citrobacter. (Medium 1 37C)"Salmonella coli 4"4,(27),12:z<sub>12</sub>:- SK 346 F.Kauffmann, "Ka", now Citrobacter. (Medium 1 37C)"Salmonella coli 5"(1),6,14,25:z<sub>22</sub>:- SK 347 F.Kauffmann, "Zichti 11391", now Enterobacter cloacae. (Medium 1 37C)Salmonella concord

6,7:1,v:1,2 SK 156 K.Rauss. (Medium 1 37C)

Salmonella dahlem48:k:e,n,z<sub>15</sub> SK 772 RKI. (Medium 1 37C)Salmonella dakar28<sub>1</sub>,28<sub>3</sub>:a:1,6 SK 652 F.Kauffmann. (Medium 1 37C)Salmonella decatur

6,7:c:1,5 SK 631 F.Wildf.ihr - P.R. Edwards, CDC. (Medium 1 37C)'

Salmonella derby

4,12:f,g:- SK 20 F.Kauffmann, "31". (Medium 1 37C)

1,4,(5),12:f,g:(1,2) 21 F.Kauffmann, "15145". (Medium 1 37C)

Salmonella deversoir

45:c:e,n,x SK 723 RKI. (Medium 1 37C)

45<sub>1</sub>,45<sub>2</sub> 723 F.Kauffmann. (Medium 1 37C)Salmonella dlakarta48:z<sub>4</sub>,z<sub>24</sub>:- SK 694 G. Wildfihr - F.Kauffmann.(Medium 1 37C)Salmonella dublin

1,9,12,(vi):g,p:- SK 65 F.Kauffmann, "215". (Medium 1 37C)

Salmonella duesseldorf

6,8:z<sub>4</sub>,z<sub>24</sub>:- SK 121 F.Kauffmann, "4908". (Medium 1 37C)

Salmonella dugbe

45<sub>1</sub>,45<sub>3</sub>:d:1,6 SK 798 F.Kauffmann. (Medium 1 37C)

Salmonella durban

9,12:a:e,n,z<sub>15</sub> SK 137 F.Kauffmann, "717". (Medium 1 37C)

Salmonella eastbourne

1,9,12:e,h:1,5 SK 70 F.Kauffmann. (Medium 1 37C)

9,12:e,h:1,5 sm 48/87 H.Miillerová - M.Tarabčák. Stool "T 108/85". (Yemen People s Democratic Republic).(Medium 1 37C)

Salmonella ebrie

35:g,m,t:- SK 62R R.Rohde. (Medium 1 37C)

Salmonella equsi

41:d:(1,5) SK 1325 F.Kauffmann. (Medium 1 37C)

Salmonella eilbek

61:i:z SK 1589 L.LeMinor. For production of Salmonella 061 serum. (Medium 1 37C)

Salmonella eimsbuettel

6,7,(14):d:l,w SK 1206 F.Kauffmann. (Medium 1 37C)

Salmonella eko

4,12:e,h:1,6 sm 52/87 H. Miillerová - M.Tarabčák. Stool "T 203/84" (Yemen People s Democratic Republic). (Medium 1 37C)

Salmonella emmastad

38:r:1,6 SK 576' G.Wildfihr - P.R. Edwards. (Medium 1 37C)

Salmonella enteritidis (Gaertner) Castellani and Chalmers

Serovar: Arizona (A) salmonella (S)

(A)1,2:1,2,5:- (S)51:z<sub>4</sub>,z<sub>23</sub>'-

6478 Ar 1/50 J.Sedlák, LFH KU - M.W.Wright, CDC<sub>2</sub>, "Dc 5". (Medium 1 37C)

"Salmonella bulovka"

6451 6,7:z<sub>44</sub>: sm 59/88 D.Kováčová, IHE - Bulovka Hospital. Stool "9/88". (Medium 1 37C)ref47

Salmonella chittagonp

(1),3,10,(19):b:z<sub>35</sub> SK 197 F.Kauffmann, "21340". (Medium 1 37C)

Salmonella choleraesuis (Smith) weldin

6452 6,7:(c):1,5 34 G.Wildfihr. Media testing. (Medium 1 37C)

Salmonella enteritidis (Gaertner) Castellani and

Chalmers

5187 1,9,12:g,m:- SK 64 F.Kauffmann, "1891". (Medium 1 37C)

Salmonella nitra



2,12:g,m:- SK 309 O.Matějovská, ÚEM ,  
"309/65" - A.Halasové,  
OHS, Nitra. Stool  
"11472". (Medium 1 37C)ref52

Salmonella presov

6,8:b:e,n,z<sub>15</sub> SK 195 O.Matějovská,  
"626/64" - A.Pačuta, OHS, Prešov. Stool "2025". (Medium 1  
37C) ref53

Salmonella choleraesuis subsp. choleraesuis serotype Typhi

9,12,(Vi):d: 27/56 A.Felix, "8385 Tyl". For vaccine preparation. (Medium 1 37C)ATCC19430 type strain  
9,12,(Vi):d:- 28/56 A.Felix, "8395 Ty 2 Rough". For preparation of pure TH serum. (Medium 1 37C)  
9,12,(Vi):d:- 29/56 A.Felix, "8384 Watson". For comparative tests of vaccine strains.  
(Medium 1 37C)  
9,12,(Vi):d:- 30/56 A.Felix, "8394 H 901". For titration of TH agglutinins. (Medium 1 37C)ATCC33458  
9,12,(Vi):d:- 31/56 A.Felix, "8382 Vi I". For titration of TVi agglutinins. (Medium 1 37C)  
9,12,(Vi):d:- 32/56 A.Felix, "8393 O 901". For titration of TO agglutinins and for preparation of pure TO  
serum. (Medium 1 37C)ATCC10749

Salmonella choleraesuis subsp. choleraesuis serotype typhimurium (Loeffler) Castellani and Chalmers

4,5,12:i:1,2 SK 9 F.Kauffmann, "1406". (Medium 1 37C)  
1,4,5,12:i:1,2 10 F.Kauffmann, "4066". Media testing. (Medium 1 37C)  
4,5,12:i:1,2,Vi 5/56 A.Felix, "8392",  
NCTC, "3040" - Josephina Marmoset". For absorption of BO agglutinins to prepare  
anti-BVi serum.  
(Medium 1 37C)  
(4,5,12):i:1,2,(Vi) 6/56 A.Felix, "9324 Binns Rough". For preparation of pure non-specific BH serum.  
(Medium 1 37C)  
4,5,12:(i):(1,2):Vi 7/56 A.Felix, "8391 OB of Felix, Glasgow-Schutze". For titration of BO and BVi  
agglutinins. (Medium 1 37C)

Salmonella vinohrady

28:m,t: SK 845 J.Sedlák, V.Solar. (Medium 1 37C)ref73

Serratia fonticola Gavini et al.

5954 Sr 30/82 P.A.D.Grimont,IP - ATCC, "29844". Spring waters. Type strain. (Medium 1 20C)  
Sr  
36/87 E.Aldová, IHE. Urine "26704". (Medium 1 20C)  
37/87 E.Aldová. Urine "26082". (Medium 1 30C)  
Sr 38/87 E.Aldová. Water "26429". (Medium 1 30C)

Serratia liquefaciens (Grimes and Hennerty) Bascomb et al.

Sr 27/74 E.Aldová, IHE (Enterobacter liquefaciens). Human faeces "18706". (Medium 1 37C)  
5958 34/83 ATCC, "27592". Type strain. (Medium 1 30C)  
39/87 E.Aldová. Salami "26130". (Medium 1 37C)  
40/87 E.Aldová. Water "26628". (Medium 1 37C)  
41/87 E.Aldová. Pork tongue "26307". (Medium 1 37C)

Serratia marcescens Bizio

Sr 1/40SZÚ,	"6464". (Medium 1 20C)
2/43	SZÚ. (Medium 1 37C)
3/43	SZÚ. (Medium 1 37C)
4/43	SZÚ, "8566". (Medium 1 20C)
5/43	SZÚ, "8565". (Medium 120C)
6/46	J.Kořínek, Institute for General Microbiology, Faculty of Natural Sciences, Charles University, Praha. (Medium 1 20C)
7/48	SZÚ, "6730". (Medium 1 20C)
8/48	E.Aldová, ÚEM. Atmosphere. (Medium 1 20C)
9/49	E.Aldová. (Medium 1 20C)

19/61 U M - Department of Bacteriology, Indiana University, Bloomington, USA, "135" (Serratia indica).(Medium 1 20C)

5961	Sr10/59	M.Neubauer, OHS, Havlíčkův Brod. Blood (synovitis) "21143-K/59". Media testing. (Medium 1 22C)
5963	20/61	ATCC, "4002" (Serratia indica). Alimentary tract of ape. (Medium 1 20C)
5964	21/61	ATCC, "4003" (Serratia indica).(Medium 1 20C)
5318	28/77	CCM, "303 - ATCC, "13880", NCTC, "10211". Type strain. Production of L-asparaginase. (Medium 1 20C)
5965	29/80	J.Šmarda - J.Foulds, National Institute of Arthritis, Metabolism, and Digestive Diseases, Bethesda, USA, "JF 246". Producer of colicin L. Disinfectant testing. (Medium 1 20C)

## Type 01

Sr 11/61 J.Sedlák, LFH KU - W.H.Ewing, CDC<sub>1</sub>, "L 436". (Medium 1 20C)

## Type 02

Sr 12/61 W.H.Ewing, "L 437". (Medium 1 20C)

## Type 03

Sr 13/61 W.H.Ewing, "L 438". (Medium 1 20C)

## Type 04

Sr 14/61 W.H.Ewing, "L 439". (Medium 1 20C)

## Type 05

Sr 15/61 W.H.Ewing, "L 440". (Medium 1 20C)

## Type 06

Sr 16/61 W.H.Ewing, "L 441". (Medium 1 20C)

## Type 07

Sr 17/61 W.H.Ewing, "L 442". (Medium 1 20C)

## Type 08

Sr 18/61 W.H.Ewing, "L 443". (Medium 1 20C)

Serratia odorifera Grimont et al.

5966	Sr 31/82	P.A.D.Grimont, IP, "1073", ATCC, "33077". sputum. Type strain.(Medium 1 20C)
	32/82	P.A.D.Grimont, "4011". (Medium 1 20C)

Serratia plymuthica (Dyar) Bergey et al.

Sr 22/61 CCM - Department of Agriculture, Ottawa, Canada, "497". (Medium 1 20C)  
 5293 23/61 ATCC, "183". Water. Type strain. (Medium 1 20C)  
 24/61 C.B. van Niel, Hopkins Marine Station, California. (Medium 1 20C)  
 33/82 P.A.D.Grimont, IP, "34". (Medium 1 20C)  
 35/83 P.A.D.Grimont, "299". (Medium 1 20C)

Serratia rubidaea (Stapp) Ewing et al.

Sr 25/74 E.Aldová, IHE, "18447". Nose. (Medium 1 22C)  
 43/87 E.Aldová. Communal water supply "25953". (Medium 1 20C)  
 44/87 E.Aldová. Ointment "26444". (Medium 1 20C)

Shewanella putrefaciens (Lee et al.) MacDonell and Colwell

5277 Ps 158/77 O.Lysenko, CCEB, "670" - ATCC, "8071" (Pseudo m onas putrefaciens; Altero m onas putrefaciens). Type strain. (Medium 1 37C)

Shigella boydii Swing

Serovar 1

hp 67/47 K.Rauss, EMI. (Medium 1 37C)  
 80/49 NCTC, "5454 A". (Medium 1 37C)  
 Shp  
 6338 166/58 K.P.Carpenter, PHLS, '9731". (Medium 1 37C)

Serovar 2

Shp 68/47 K.Rauss. (Medium 1 37C)  
 81/49 NCTC, "5456". (Medium 1 37C)  
 5291 167/58 K.P.Carpenter, "9732". (Medium 1 37C)

Serovar 3

Shp

Shp 69/53 K.Rauss. (Medium 1 37C)  
 82/49 NCTC, "5457". (Medium 1 37C)  
 6339 168/58 K.P.Carpenter, "9850". (Medium 1 37C)

Serovar 4

Shp

Shp 70/53 K.Rauss. (Medium 1 37C)  
 83/49 NCTC, "5455". (Medium 1 37C)  
 5206 169/58 K.P.Carpenter, "9770". (Medium 1 37C)

Serovar 5

Shp 71/53 K.Rauss. (Medium 1 37C)

Shp

6340 170/58 K.P.Carpenter, "9833". (Medium 1 37C)

## Serovar 6

Shp 72/53 K.Rauss. (Medium 1 37C)

## Shp

6341 171/58 K.P.Carpenter, "9771". (Medium 1 37C)

## Serovar 7

Shp 75/47 SZÚ, "weil". (Medium 1 37C)

125/55 H.Meisel, PZH, "535". (Medium 1 37C)

172/58 K.P.Carpenter, "9734". (Medium 1 37C)

## Serovar 7a

Shp 137/56 K.P.Carpenter, "1386/50". (Medium 1 37C)

## Server 9

6344 Shp 133/56 K.P.Carpenter, "Francis 1320". (Medium 1 37C)

M 95 A.Trifonova, D.G.Manolov, NIEM (Shigella niemi Manolov). Faeces "1794", anaerogenic, lactosepositive variant. (Medium 1 37C)

## Serovar 10

6346 Shp 134/58 K.P.Carpenter, "9358". (Medium 1 37C)

## Serovar 11

6347 Shp 135/58 K.P.Carpenter, "9360". (Medium 1 37C)

## Serovar 12

6348 Shp 173/59 K.P.Carpenter, "9772". (Medium 1 37C)

## Serovar 13

6349 Shp 174/59 K.P.Carpenter, "9362". (Medium 1 37C)

201/81 E.Aldová, IHE - B.Rowe, CPHL, "649", aerogenic. (Medium 1 37C)

## Serovar 14

6351 Shp 175/59 K.P.Carpenter, "9765". (Medium 1 37C)

sh 23/63 A.Trifonova (Shigella dysenteriae serotype A 12). (Medium 1 37C)  
Producer of colicine 5l.

## Serovar 15

6352 Shp 176/59 K.P.Carpenter, "8590". (Medium 1 37C)

## Serovar 16

7037 M 228 K.P.Carpenter, "522/66" (serotype 2710.54). (Medium 1 37C)

## Serovar 17

7038 M 227 K.P.Carpenter, "994/66" (serotype 3615.53). (Medium 1 37C)

## Serovar 18

6355 Shp 200/81 E.Aldová - B.Rowe, "758". (Medium 1 37C)

## Serovar M

6356 Shp 136/56 K.P.Carpenter, "1693". (Medium 1 37C)

E 16553 (provisional serovar)

6357 Shp 203/83 E.Aldová - KHS, České Budějovice. Stool "24207". (Medium 1 37C)

6358 Shp 204/83 B.Rowe, CPHL, "11462". (Medium 1 37C)

Producer of colicine 51.

Shp 199/89 J.Šmarda, KB LF UJEP - P.Fredericq, University of Liege, Belgium, "P 1".  
(Medium 1 37C)

Shigella dysenteriae (Shiga) Castellani and Chalmers

serovar 1 (Shigella shigae)

- sh 1/35 SZÚ, "China I". (Medium 1 37C)  
sh 6/35 LI, "152". (Medium 1 37C)
- 6360 Sh 13/41 F.Sartorius, Institut für Impfstoffprüfung, Berlin-P'ankow, GDR.  
(Medium 1 37C)
- 14/42 R.Prigge, Reinkultursammlung, Jena, GDR, "58". (Medium 1 37C)  
17/42 R.Prigge, "75". (Medium 1 37C)  
19/42 SZÚ, "78012". (Medium 1 37C)  
20/42 SZÚ, "78132". (Medium 1 37C)  
21/42 SZÚ, "78135". (Medium 1 37C)  
22/42 SZÚ, "78144". (Medium 1 37C)  
23/42 SZÚ, "78146". (Medium 1 37C)  
24/42 SZÚ, "78150". (Medium 1 37C)  
25/42 SZÚ, "78727". (Medium 1 37C)  
29/42 SZÚ, "88421". (Medium 1 37C)  
30/44 SZÚ, "114843". (Medium 1 37C)  
31/44 SZÚ, "114844". (Medium 1 37C)  
32/44 SZÚ, "116954". (Medium 1 37C)  
33/44 SZÚ, "116955". (Medium 1 37C)  
36/45 SZÚ, "1447". (Medium 1 37C)  
37/45 SZÚ, "45198". (Medium 1 37C)  
38/45 SZÚ, "45200". (Medium 1 37C)  
39/47 Zdravstveni zavod, Epidemiološki odjel, (Epidemiology Dept., Institute of Health), Zagreb, Yugoslavia, "22987". (Medium 1 37C)  
40/47 Zdravstveni zavod, (Institute of Health), Zagreb, "22991". (Medium 1 37C)  
41/47 Zdravstveni zavod, (Institute of Health), Zagreb, "25246", (Medium 1 37C)  
42/52 OKI, "Shiga X". (Medium 1 37C)  
43/5 L.Schreiber, KHS, Košice. Faeces of Korean student "1922". (Medium 1 37C)  
44/54 .Schreiber. Faeces (Korean student) "797". (Medium 1 37C)  
45/58 M, Stalinabad, "442". For bacteriophage production. (Medium 1 37C)  
46/58 BATERILOGIČESKIJ Institut (Bacteriology Institute), Vitebsk, USSR, "920". For bacteriophage production. (Medium 1 37C)  
47/5 BAKTERILOGIČESKIJ Institut (Bacteriology Institute), Czernigov, USSR, "914". For bacteriophage production. (Medium 1 37C)

Serovar 2 (Shigella schmitzii)

- 6361 Sch4/41 F.Sartorius, Institut für Impfstoffprüfung, Berlin-Pankow,  
GDR. (Medium 1 37C)  
5/42 ts, "J 471". (Medium 1 37C)  
6/42 inkultursammlung, Jena, "195". (Medium 1 37C)

9/44			TC, "306 Hawkins". (Medium 1 37C)
10/45			"Terezín 214". (Medium 1 37C)
11/45			ZÚ, "Terezín 563". (Medium 1 37C)
sch 18/47			ZÚ, "46606". (Medium 1 37C)
19/47 SZÚ,			47904". (Medium 1 37C)
20/47 SZÚ,			47933". (Medium 1 37C)
21/51			Brabec, OHS, Havlíčkův Brod, "4377". (Medium 1 37C)
22/51			Brabec, "4389". (Medium 1 37C)
23/51			Brabec, "4390". (Medium 1 37C)
27/51			Brabec, "4394". (Medium 1 37C)
31/58			IEM, Taskent. For bacteriophage production. (Medium 1 37C)
32/58			Gorodskoi Bakteriologicheskii Institut (Municipal Bacteriology Institute), Moskva, SSSR, "128". For bacteriophage production. (Medium 1 37C)
33/58			IEM, Sverdlovsk, "1926". For bacteriophage production. (Medium 1 37C)
34/58			IEM, Sverdlovsk, "1927". For bacteriophage production. (Medium 1 37C)
35/59			E. Aldová, ÚEM, "China 4251". (Medium 1 37C)
36/59			E. Aldová, "China 4258". (Medium 1 37C)
7039	37/79		Indicator strain M19 for Shigella sonnei colicine typing according Abbott-Shannon, "NCTC 8218". (Medium 1 37C)
<u>Serovar 3</u>			
5217	sh	8/57	K.P. Carpenter, PHCS, "9720", Large-Sachs Q 771. (Medium 1 37C)
	sh	14/57	J. Sansonnens, WHO - W.H. Ewing, CDC <sub>1</sub> , "616-55", Large-Sachs Q 771. (Medium 1 37C)
<u>Serovar 4</u>			
5204	sh	9/57	K.P. Carpenter, "9759", Large-Sachs Q 1167. (Medium 1 37C)
	h	15/57	W.H. Ewing, "4780-55", Large-Sachs Q 1167. (Medium 1 37C)
<u>Serovar 5</u>			
6363	sh	10/57	K.P. Carpenter, "9721", Large-Sachs Q 1030. (Medium 1 37C)
	sh	16/57	W.H. Ewing, "76", Large-Sachs Q 1030. (Medium 1 37C)
<u>Serovar 6</u>			
6364	sh	11/57	K.P. Carpenter, "9762", Large-Sachs Q 454. (Medium 1 37C)
	sh	17/57	W.H. Ewing, "77", Large-Sachs Q 454. (Medium 1 37C)
<u>Serovar 7</u>			
6365	sh	12/57	K.P. Carpenter, "9764", Large-Sachs Q 902. (Medium 1 37C)
			57 W. sh 18/H. Ewing, "4879-55", Large-Sachs Q 902. (Medium 1 37C)
<u>Serovar 8</u>			
6366	sh	13/57	K.P. Carpenter, "9345". (Medium 1 37C)
	sh	19/57	W.H. Ewing, "2116-52". (Medium 1 37C)

Serovar 9

5205 sh 20/59 NCTC,"9348". (Medium 1 37C)

Serovar 10

6367 sh 21/59 NCTC,"9351". (Medium 1 37C)

Serovar 11

6368 sh 22/63 A.Trifonova, NIEM, "3873-50". (Medium 1 37C)

## Serovar 12

7040 M 231 K.P.Carpenter, "serotype 3341.55". (Medium 1 37C)

Shigella flexneri Castellani and ChalmersSerovar 1a I:2,4

shp 61/47 SZÚ, Weil III. (Medium 1 37C)

105/51 K.Rauss, EMI, "V 4832".  
(Medium 1 37C)150/57 J.Sansonens, WHO - W.H.Ewing, CDC<sub>1</sub>, "4109-55". (Medium 1 37C)

Shp

6370 138/57 K.P.Carpenter, PHLS, "9950". (Medium 1 37C)

Serovar 1b I:6:2,4

shp 139/57 K.P.Carpenter,"9722".(Medium 1 37C)

shp 73/53 SZÚ, Weil I,III. (Medium 1 37C)  
151/57 W.H.Ewing, "2462-54". (Medium 1 37C)Serovar 2a II:3,4

shp 60/53 SZÚ, Weil II. (Medium 1 37C)

74/53 SZÚ. (Medium 1 37C)

152/57 W.H.Ewing, "1607-55". (Medium 1 37C)

6372 140/57 K.P.Carpenter, "9723". (Medium 1 37C)

Serovar 2b II:7,8

6373 Shp 141/57 K.P.Carpenter, "8518". (Medium 1 37C)

shp 153/57 W.H.Ewing, "9768". (Medium 1 37C)

Serovar 3a III: (3,4):6:7,8

6374 Shp 142/57 K.P.Carpenter, "8520". (Medium 1 37C)

Serovar 3b III:(3,4):6

6375 Shp 154/57 W.H.Ewing, "9989". (Medium 1 37C)

6376 197/62 E.Aldová. Faeces "3378". (Medium 1 37C)

7041 198/62 E.Aldová. Faeces "3383". (Medium 1 37C)

7042 202/83 E.Aldová, "14472". (Medium 1 37C)

Serovar 4a IV:3,4

5163 Shp 62/47 SZÚ, Weil IV. Media testing. (Medium 1 37C)

6377 143/57 K.P.Carpenter, "8296", spec. phase. (Medium 1 37C)

6378 Shp 144/57 K.P.Carpenter, "8521", group phase. (Medium 1 37C)

155/57 W.H.Ewing, "9725". (Medium 1 37C)

195/62 H.Rische, Zentral Laboratorium fur Lysotypie, Wernigerode,GDR, "163/62". (Medium 1 37C)  
 196/62 H.Rische, "88/62". (Medium 1 37C)  
 109/51 K.Rauss, "M142" (Shigella rabaulensis). (Medium 1 37C)

Serovar 4b IV:3,4:6

Shp 97/51 K.Rauss, "66-1-570", weil III,IV.(Medium 1 37C)  
 6379 Shp145/57 K.P.Carpenter, "9726". (Medium 1 37C)

Serovar 4 (E 1037 Rowe) IV:7,8

6380 Shp 207/87 V.Gaislerová, KHS, Brno. Stool "24299". (Medium 1 37C)  
 Shp 208/87 N.S.Prjamukhina, CNIIE. Stool "24554". (Medium 1 37C)

Serovar 5a V:3,4

7043 Shp 205/87 E.Aldová - KHS,Ostrava. Stool "14301". (Medium 1 37C)  
 6382 206/87 E.Aldová - OHS, Třinec. Stool "18230". (Medium 1 37C)

Serovar 5b V:7,8

6383 Shp 146/57 K.P.Carpenter, "8523". (Medium 1 37C)  
 Shp 104/51 K.Rauss, "Las 41", Flexner G. (Medium 1 37C)  
 157/57 W.H.Ewing, "9727". (Medium 1 37C)

Serovar 6 VI:2,4 - biovar Boyd 88

Shn 5/46 SZÚ, "24897". (Medium 1 37C)  
 6/46 SZÚ, "29321". (Medium 1 37C)  
 7/46 SZÚ, "37741". (Medium 1 37C)  
 8/46 SZÚ, "37749". (Medium 1 37C)  
 9/46 SZÚ, "39864". (Medium 1 37C)  
 10/46 SZÚ, "39929". (Medium 1 37C)  
 11/46 SZÚ, "39931". (Medium 1 37C)  
 12/46 SZÚ, "39945". (Medium 1 37C)  
 13/46 SZÚ, "39946". (Medium 1 37C)  
 14/46 SZÚ, "40120". (Medium 1 37C)  
 15/46 SZÚ, "40121". (Medium 1 37C)  
 16/46 SZÚ, "56198". (Medium 1 37C)  
 18/47 SZÚ, "3663/47". (Medium 1 37C)  
 19/47 SZÚ, "5120". (Medium 1 37C)  
 20/47 SZÚ, "5579". (Medium 1 37C)  
 21/47 SZÚ, "19511". (Medium 1 37C)  
 22/47 SZÚ, "34455". (Medium 1 37C)  
 23/47 SZÚ, "39161". (Medium 1 37C)  
 24/47 SZÚ, "39162". (Medium 1 37C)  
 28/47 SZÚ, "Essen L 169". (Medium 1 37C)  
 Shp 95/51 K.Rauss, "541/9", Flexner L. (Medium 1 37C)  
 6384 Shp 147/57 K.P.Carpenter, "9729". (Medium 1 37C)

Serovar 6 - biovar Hartfortshire



6385 Shp 213/88 E.Aldová, IHE. Stool "19021". (Medium 1 37C)  
 7044 214/88 E.Aldová. Stool "26588/2". (Medium 1 37C)

Serovar 6 - biovar Manchester

Shn Shn 17/46 SZÚ, "58587". (Medium 1 37C)  
 6386 Shp 209/88 E.Aldová, IHE. Stool "27027". (Medium 1 37C)  
 7045 210/88 E.Aldová. Stool "27040". (Medium 1 37C)  
 7046 211/88 E.Aldová. Stool "27146". (Medium 1 37C)  
 7047 212/88 E.Aldová. Stool "25648". (Medium 1 37C)

Serovar 6 - biovar Newcastle

6387 Shn 2/43 Reinkultursammlung, Jena, GDR, "SG 351 wigax". (Medium 1 37C)

Serovar X -:7,8

5216 Shp 148/57 K.P.Carpenter, "9769". (Medium 1 37C)  
 Shp 159/57 W.H.Ewing, "4723-55". (Medium 1 37C)

Serovar Y -:3,4

5006 Shp 149/57 K.P.Carpenter, "9730". (Medium 1 37C)

Shigella sonnei (Levine) Weldin

6388 Shs 1/35 Standard Laboratories, Oxford, England, "Evans". (Medium 1 37C)

Shs 2/35 LI, "1171 Mita A". (Medium 1 37C)  
 3/38 NCTC, "268". (Medium 1 37C)  
 4/40 RKI, "11250". (Medium 1 37C)  
 5/41 F.Sartorius, Institut fiir Impfstoffpriifung, Berlin-Pankow, GDR. (Medium 1 37C)  
 6/42 ÚSOL, "E 700". (Medium 1 37C)  
 7/43 Reinkultursammlung, Jena, GDR, "SG 60 E<sub>2</sub>". (Medium 1 37C)  
 8/43 Reinkultursammlung, "SG 64 E<sub>1</sub>". (Medium 1 37C)  
 9/43 Reinkultursammlung, "SG 76 R". (Medium 1 37C)  
 10/46 K.Raška, SZÚ, "273 S I E". (Medium 1 37C)  
 11/46 K.Raška, "273 S II E". (Medium 1 37C)  
 12/47 SZÚ, "30279". (Medium 1 37C)  
 13/48 K.Raška, "273 R". (Medium 1 37C)  
 14/49 SZÚ, "RR". (Medium 1 37C)  
 15/58 IEM, Kiev, "714". For bacteriophage production. (Medium 1 37C)  
 16/58 Institut Vakcin i Syvorotok (Institute of Vaccins and Sera), Kazan, USSR, "5063". For bacteriophage production. (Medium 1 37C)  
 17/59 D.Matějovská, ÚEM, "Rubinstein 210". (Medium 1 37C)  
 Shs 18/62 H.Rische, Zentral Laboratorium fur Lysotypie, Wernigerode, GDR, "144/62". S-form sensitive to temperate phage. (Medium 1 37C)  
 19/64 OHS, Považská Bystrica, "8217". Mannitol negative. (Medium 1 37C)

Shigella sonnei colicin types according to Abbott- Shannon's (AS) and Horák's (H) schemes

(all strains: medium 1 37C)ref23, 24, 84-7

colicin types (AS) 1A (H) K

7048 Shs 20/66 S.Slopek, IITD - P.Fredericq, University of Liege, Belgium, "1A".

Colicin types (AS) 18 (H) K,Ia

7049 Shs 21/66 S.Slopek, "1B"

Colicin types (AS) 2 (H) Ia

7050 Shs 49/78 J.Šmarda, KB LF UJEP - Oysentery Reference Laboratory, Colindale,  
London, England

Colicin types (AS) 3 (H) X,Ia,E4+?

7051 Shs 25/6 S.Slopek - J.D.Abbott, R.Shannon, Public Health Laboratory, Man-  
chester,  
England, "3"

Colicin types (AS) 3A (H) D

7052 Shs 22/66 S.Slopek, "3A"

Colicin types (AS) 4 (H) Ib

7053 Shs 26/66 S.Slopek, "4"

Colicin types (AS) 5 (H) K,Ib

7054 Shs 50/78 J.Šmarda - Dysentery Reference Laboratory, Colindale, London,  
England

Colicin types (AS) 6 (H) E1

7055 Shs 27/66 S.Slopek, "6"

Colicin types (AS) 7 (H) Js

7056 Shs 28/66 S.Slopek, "7". suitable for identification of enteroinvasive E.coli  
strains (EIEC)

Colicin types (AS) 8 (H) E2

7057 Shs 29/66 S.Slopek, "8".

Colicin types (AS) 9 (H) E4,Ia

7058 Shs 30/66 S.Slopek, "9".

Colicin types (H) 9A (H) E6,Ia

7059 Shs51/78 V.Horák, KM LF UK

Colicin types (AS) 10 (H) K,E2,Ia

7060 Shs 52/78 J.Šmarda - Dysentery Reference Laboratory, Colindale, London,  
England

Colicin types (AS) 11 (H) E1

7061 Shs 31/66 S.Slopek, "11"

Colicin types (AS) 12 (H) E6

7062 Shs 32/66 S.Slopek, "12"

Colicin types (AS) 13 (H) E1,Ia

7063	Shs 33/66	S. Slopek, "13"
Colicin types (AS)	14	(H) E6, Ib
7064	Shs 38/78	J.D. Abbott, R. Shannon
Colicin types (H)	15	(H) V
7065	Shs 106/90	V. Horák
Colicin types (H)	16	(H) B, M
7066	Shs 39/78	V. Horák
Colicin types (H)	17	(H) B, M, Ib
7067	Shs 40/78	V. Horák
Colicin types (H)	18	(H) E1, E6, X
7068	Shs 41/78	V. Horák
Colicin types (H)	19	(H) E2, Ia
7069	Shs 42/78	V. Horák
Colicin types (H)	20	(H) E1, Ib
7070	Shs 43/78	V. Horák
Colicin types (H)	21	(H) E2, Ib
7071	Shs 44/78	V. Horák
Colicin types (H)	22	(H) B, M, E2
7072	Shs 45/78	V. Horák
Colicin types (H)	23	(H) B, M, E2, Ia
7073	Shs 46/78	V. Horák
Colicin types (H)	24	(H) E1, E6, Ia
7074	Shs 47/78	V. Horák
Colicin types (H)	25	(H) B, M, E1
7075	Shs 48/78	V. Horák
Colicin types (H)	26	(H) B, M, E6
7076	Shs 65/79	V. Horák
Colicin types (H)	27	(H) E1, E2
7077	Shs 66/79	V. Horák
Colicin types (H)	28	(H) E2, E6
7078	Shs 67/79	V. Horák
Colicin types (H)	29	(H) B, M, Ia
7079	Shs 68/80	V. Horák - M.S. Idina, Pasteur Institute, Leningrad, USSR
Colicin types (H)	30	(H) E1, E6
7080	Shs 69/80	V. Horák - M.S. Idina
Colicin types (H)	31	(H) E1, E2, Ia
7081	Shs 70/80	V. Horák - M.S. Idina
Colicin types (H)	32	(H) E5, Ia
7082	Shs 71/80	V. Horák - M.S. Idina
Colicin types (H)	33	(H) E5, J <sub>s</sub>
7083	Shs 72/80	V. Horák - M.S. Idina
Colicin types (H)	34	(H) E1, D
7084	Shs 73/80	V. Horák - M.S. Idina
Colicin types (H)	35	(H) K, E1
7085	Shs 74/80	V. Horák - M.S. Idina
Colicin types (H)	36	(H) K, E6
7086	Shs 75/80	V. Horák - M.S. Idina

Colicin types (H)	37 (H)	E1,E6,Ib
7087 Shs 76/80	V.Horák - M.S.Idina	
Colicin types (H)	38 (H)	E2,D
7088 Shs 82/82	V.Horák - M.S.Idina	
Colicin types (H)	39 (H)	Ia,D,Js
7089 Shs 83/82	V.Horák - M.S.Idina	
Colicin types (H)	40 (H)	B,M,E6,Ia
7090 Shs 84/82	V.Horák	
Colicin types (H)	41 (H)	E3
7091 Shs 78/82	R.Barker, Medical School, Dun-	
dee, Scotland		
Colicin types (H)	42 (H)	E5
7092 Shs 80/82	V.Horák - M.S.Idina	
Colicin types (H)	43 (H)	E4
7093 Shs 79/82	V.Horék - M.S.Idina	
Colicin types (H)	44 (H)	E2,E4
7094 Shs 81/82	V.Horák - M.S.Idina	
Colicin types (H)	45 (H)	B,M,E6,Ib
7095 Shs 85/82	V.Horák	
Colicin types (H)	46 (H)	8,M,E1,E2
7096 Shs 86/82	V.Horák	
Colicin types (H)	47 (H)	B,M,E1,E2,Ia
7097 Shs 87/82	V.Horék	
Colicin types (H)	48 (H)	E1,E2,Ib
7098 Shs 88/82	V.Horék	
Colicin types (H)	49 (H)	E1,X
7099 Shs 89/82	V.Horák	
Colicin types (H)	50 (H)	E2,Ib,X
7100 Shs 90/82	V.Horák	
Colicin types (H)	51 (H)	Ib,D
7101 Shs 91/82	V.Horák	
Colicin types (H)	52 (H)	X
7102 Shs 92/82	V.Horák	
Colicin types (H)	53 (H)	E4,Ib
7103 Shs 93/82	V.Horák	
Colicin types (H)	54 (H)	E1,Js
7104 Shs 94/82	V.Horák	
Colicin types (H)	55 (H)	E1,E4
7105 Shs 95/85	V.Horák	
Colicin types (H)	56 (H)	T (new colicin)
7106 Shs 96/85	V.Horék	
Colicin types (H)	57 (H)	X,E6,Ia
7107 Shs 97/85	V.Horák	
Colicin types (H)	58 (H)	D,E6,Ia
Shs 98/85	V.Horák	
Colicin types (H)	59 (H)	X,Ib
Shs 99/87	V.Horák	

Colicin types (H)	60	(H)	E6,Js
Shs 100/87		V.Horák	
Colicin types (H)	61	(H)	E2,E6,Ib
Shs 101/87		V.Horák	
Colicin types (H)	62	(H)	X,E6,Ib
Shs 102/87		V.Horák	

colicin types (H) 63 (H) E1,E5  
Shs 103/90 V.Horák

colicin types (H) 64 (H) EB,Ib  
Shs 104/90 V.Horák

colicin types (H) 65 (H) E8  
Shs 105/90V.Horák

Indicator strains for Shigella sonnei colicin typiny according to Abbott and Shannon (all strains: medium 1 37C)

Shs 25/66 S.Slopek, IITD - J.D.Abbott, R.Shannon, Public Health Laboratory, Manchester, England, "3". Indicator strain: 2M

53/79 J.Šmarda, KB LF UJEP - Dysentery Reference Laboratory, Colindale, London, England. Indicator strain: 2

54/79 J.Šmarda - Colindale, London. Indicator strain: 56.

55/79 J.Šmarda - Colindale, London. Indicator strain: 17

56/79 J.Šmarda - Colindale, London. Indicator strain: 38

57/79 J.Šmarda - Colindale, London. Indicator strain: 56/56

58/79 J.Šmarda - Colindale, London. Indicator strain: 56/98

59/79 J.Šmarda - Colindale, London. Indicator strain: R1

60/79 J.Šmarda - Colindale, London. Indicator strain: R6

61/79 J.Šmarda - Colindale, London. Indicator strain: 2/7

62/79 J.Šmarda - Colindale, London.Indicator strain: 2/64

63/79 J.Šmarda - Colindale, London.Indicator strain: 2/15

64/79 J.Šmarda - Colindale, London. Indicator strain: R5

Shigella dysenteriae 2 (M19 indicator strain) given under Shigella dysenteriae 2, (Sch 37/79)

Escherichia coli ROW indicator strain given under Escherichia coli ROW (Ec 319/66)

Indicators (S.sonnei) for the determination of S.sonnei and E.coli colicin types (V.Horák) (all strains: medium 1 37C)ref23,24

Shs 34/78 V.Horák, KM LF UK. Immune to colicin E6. Resistant to colicins B,M,E8

Shs 35/78 V.Horák. Immune to colicins E1,Ib. Resistant to colicins B,M.

36/78 V.Horák. Immune to colicins E6,Ia. Resistant to colicins B,M,E8

37/78 V.Horák. Immune to colicins E6,Ib. Resistant to colicins B,M,E8

6392 77/80 V.Horák. Resistant to colicins B, M,E. sensitive to colicin Js.

78/82 R.Barker, University of Dundee, Medical School, Dundee, Scotland. Immune to colicin E3. Resistant to colicins B,M

79/82 V.Horák. Immune to colicin E4. Resistant to colicins B,M

80/82 V.Horák. Immune to colicin E5. Resistant to colicins B,M

81/82 V.Horák. Immune to colicins E2,E4. Resistant to colicins B,M

Shigella sp. (provisional) serotype 1621.54

7124 M 230 K.P.Carpenter, "32/66". (Medium 1 37C)

"Staphylococcus albus" Rosenbach

3/48 SZÚ, "Babuška". (Medium 2 37C)

- 4/48 SZÚ. Alcohol for syringe needles "530". (Medium 2 37C)  
 5/63 J.Sedlák, LFH KU - A.W.Bernheimer, N.Y. University School of Medicine, New York, USA, "Mendita". (Medium 2 37C)  
 6/63 A.W.Bernheimer, "3895". (Medium 2 37C)  
 5904 7/67 Z.Ježková, ÚHKT. Contaminated blood for transfusion, "DSA". For testing sensitivity of thioglycolate media. (Medium 2 37C)

Staphylococcus aureus Rosenbach

- 550 Mau 1/45 SZÚ, "Oxford". Assay of penicillin. Media testing. (Medium 2 37C)  
 Mau 2/45 SZÚ, "Kuřička". (Medium 2 37C)  
 3/45 SZÚ. Clinical material "12707". (Medium 2 37C)  
 4/45 SZÚ. Clinical material "4448". (Medium 2 37C)  
 5/45 SZÚ. Clinical material "22907". (Medium 2 37C)  
 6/45 J.Liška, ÚSOL. Nonhaemolytic strain. (Medium 2 37C)  
 7/45 SZÚ. Clinical material "2725". (Medium 2 37C)  
 8/46 SZÚ. Clinical material "1627R". (Medium 2 37C)  
 9/46 SZÚ. Clinical material "1707 E". (Medium 2 37C)  
 10/46 SZÚ. Clinical material "3677 lung". (Medium 2 37C)  
 11/46 SZÚ. Clinical material "3695 lung". (Medium 2 37C)  
 12/46 SZÚ. Clinical material "3730 lung". (Medium 2 37C)  
 13/46 SZÚ. Clinical material "3820". (Medium 2 37C)  
 14/46 SZÚ. Clinical material "1139". (Medium 2 37C)  
 Mau 15/47 SZÚ. Clinical material "2516 R". (Medium 2 37C)  
 16/47 SZÚ. Clinical material "2518 R". (Medium 2 37C)  
 17/47 SZÚ. Clinical material "2519 R". (Medium 2 37C)  
 18/48 SZÚ. Clinical material "2912 pl.". (Medium 2 37C)  
 19/48 SZÚ. Clinical material "2917 pl.". (Medium 2 37C)  
 20/48 SZÚ. Clinical material "8141". (Medium 2 37C)  
 21/48 SZÚ. Clinical material "8747". (Medium 2 37C)  
 22/48 SZÚ. Clinical material "9860 pl.". (Medium 2 37C)  
 23/48 SZÚ. Clinical material "1545". (Medium 2 37C)  
 24/48 SZÚ. Clinical material "11534 cat gut". (Medium 2 37C)  
 25/48 Z.Ort, SZÚ. Phenol coefficient determination. (Medium 2 37C)  
 26/48 SL,"R 1760". (Medium 2 37C)  
 5906 27/58 NCTC,"7121 - Wood 46". Producer of alpha-toxin, also for titration of antistaphylo toxin. (Medium 2 37C)  
 5479 28/58 VNIIA, "209 P" - ATCC, "6538 P", NCTC,"7447". Assay of: amikacin, ampicillin, bacitracin, carbenicillin, cefazolin, cephacetrile, cephalixin, cephaloglycin, cephalo ridine, cephalothine, cephoxitin, cephradine, chloramphenicol, clindamycin, cloxacillin, dicloxacillin, doxycycline, erythromycin, gentamicin, kanamycin, lincomycin, mecilinam, methicillin, novobiocin, oleandomycin, oxacillin, penicillin, rifampicin, rolitetra cycline, spiramycin, streptomycin, tetracycline, tobramycin, tylosin, vancomycin. (Medium 2 37C)  
 5887 29/58 ATCC, "6538". For cephalosporins. Media testing. (Medium 2 37C)  
 5907 30/59 ÚSVÚ, Bratislava. Ovine mastitis "L 8533/59". For CAMP-test. Producer of beta-staphylo lysin. (Medium 2 37C)

- 7120 33/59 Abbott Laboratories, Chicago, USA, "Smith". For spontin assay.  
 34/60 P.Oeding, Gade Institute Microbiological Department, University of Bergen, Norway, "3647".  
 (Medium 2 37C)  
 35/60 P.Oeding,"2095". (Medium 2 37C)  
 36/60 P .Oeding , "1503". (Medium 2 37C)  
 37/60 P.Oeding,"3189". (Medium 2 37C)  
 38/60 P.Oeding, "17 A". (Medium 2 37C)  
 39/60 P.Oeding, "F 21". (Medium 2 37C)  
 40/60 P.Oeding, "S 365". (Medium 2 37C)  
 70/68 P.Oeding, "263". (Medium 2 37C)  
 71/68 P.Oeding, "670". (Medium 2 37C)  
 72/68 P.Oeding, "5687". (Medium 2 37C)  
 73/68 A.T.Pereira, Institutó Bacteriologico Camara Pestona, Lisboa, Portugal,"15128". (Medium 2 37C)
- Mau 74/68 A.T.Pereira,"15255". (Medium 2 37C) 75/68 A.T.Pereira, "41401". (Medium 2 37C)
- 41/60 L.Griin, Institut fi.ir Mikrobiologie der Medizinischen Akademie, Diisseldorf, FRG,"A 4". (Medium 2 37C)  
 42/60 L.Griin,"2253".(Medium 2 37C)  
 (Medium 2 37C)
- 5497 43/60 L.Griin,"SG511".Disinfectant testing. (Medium 2 37C)  
 5908 44/60 Glaxo,"PR IV". Assay of neomycin. (Medium 2 37C)  
 5909 45/60 Glaxo, "6571". Assay of terramycin. (Medium 2 37C)  
 5953 47/64 ATCC, "13150". Stool. Assay of antibiotics. (Medium 2 37C)  
 5910 48/63 W.W.Wright, Division of Antibiotics, Washington, USA, "WHO 4", ATCC, "14775". Used in WHO International Study to standardize chloramphenicol, erythromycin, oleandomycin, bacitracin, methicillin, neomycin, kanamycin, and streptomycin sensitivity discs. (Medium 2 37C)  
 5911 49/63 W.W.Wright, "WHO 6", ATCC, "14776". Used in WHO International Study to standardize bacitracin, vancomycin, methicillin, neomycin, and kanamycin sensitivity discs. (Medium 2 37C)  
 5888 50/63 W.W.Wright, "WHO 7". Furadantin, lincomycin, methicillin, oxacillin assay. (Medium 2 37C)  
 5912 51/63 W.W .Wright, "WHO 10", ATCC, "14777". Used in WHO International Study to standardize chlortetracycline and tetracycline sensitivity discs. Media testing. (Medium 2 37C)  
 5913 52/63 W.W.Wright, "WHO 14", ATCC, "14778". Used in WHO International Study to standardize erythromycin sensitivity discs. (Medium 2 37C)  
 53/63 J.Sedlák, LFH KU - J.Mc Lean Smith, R.J.Dubos, RINY,"Smith, S.A.235--diffuse". (Medium 2 37C)  
 54/63 J. Mc Lean Smith, R.J.Oubos,"Smith, S.A. 235-compact". (Medium 2 37C)  
 55/64 J.Sedlák, LFH KU - P.Oeding, "Cowan I". (Medium 2 37C)  
 56/64 P.Oeding, "Cowan II". (Medium 2 37C) 57/64 P.Oeding, "Cowan III". (Medium 2 37C)  
 58/64 J.K.Schónfeld, Municipal Bacteriological Laboratory, Rotterdam, The Netherlands, "1365". (Medium 2 37C)  
 59/64 J.K.Schbnfeld,"1365 L 10".L-form transformed into bacterial form after 10 L-form passages. (Medium 2 37C)



- 60/64 J.K.Sch~nfeld,"1365 L 50". L-form transformed into bacterial form after 50 L-form passages.(Medium 2 37C)
- 61/64 J.K.Schiinfeld,"1365 L 85". L-form transformed into bacterial form after 85 L-form passages. (Medium 2 37C)
- 62/64 J.K.Schánfeld,"1365L 90". L-form tranformed into bacterial form after 90L-form passages. (Medium 2 37C)
- Mau 63/64 J.K.Sch~dnfeld, "1365 L 200". L-form transformed into bacterial form after 200 L-form passages. (Medium 2 37C)
- Mau 63/64 J.K.Sch~dnfeld, "1365 L 200". L-form transformed into bacterial form after 200 L-form passages. (Medium 2 37C)
- 5917 64/68 M.S.Bergdoll, Food Research Insitute, Madison, USA - E.P.Casman. Food poisoning outbreak, "C-246-3A". Producer of enterotoxin A. (Medium 2 37C)
- 5918 65/68 M.S.Bergdoll - G.G.Slocum, ATCC, "13565". Cooked ham "196E". Prototype strain for production of enterotoxin A. Produces large amounts of beta-haemolysin. (Medium 2 37C)
- 66/68 M.S.Bergdoll - E.O.Jordan. Cake "100". Producer of enterotoxin A. (Medium 2 37C)
- 5920 67/68 M.S.Bergdoll, "S-6". Producer of enterotoxins A+B. (Medium 2 37C)
- 5921 68/68 M.S.Bergdoll, "C-243". Producer of enterotoxin B. (Medium 2 37C)
- 5922 69/68 M.S.Bergdoll, "361". Producer of enterotoxin C. (Medium 2 37C)
- 5923 76/69 NCTC,"6571", ATCC,"9144". Assay of bacitracin, cephalixin, cephaloglycin, erythromycin, penicillin, tobramycin, tylosin. Indicator strain for staphylococcin of strain Mau 87/79. (Medium 2 37C)
- 5924 77/70 NCTC, "4163", CCM, "1484". Insecticide. (Medium 2 37C)
- 5925 79/72 M.S.Bergdoll, "FRI-472". Producer of enterotoxin D. (Medium 2 37C)
- 5481 80/73 ATCC,"25923". Reference strain for susceptibility-disc-testing. (Medium 2 37C)
- 5926 81/73 M.S.Bergdoll, "FRI-326". Producer of enterotoxin E. (Medium 2 37C)
- 5197 83/78 J.Zahradnický, LF KU. Upper respiratory tract, "Plzeň". Test-organism for LAMP-test (screening for group B streptococci). (Medium 2 37C)
- 5927 84/79 J.Šmarda, KB LF UJEP, "18". Producer of staphylococcin. (Medium 2 37C)
- 86/79 J.Šmarda, "8". Producer of staphylococcin. (Medium 2 37C)
- 5928 87/79 S.M.Martin, Ohio State University, Columbus, USA, "UT 0002". Caries plasmid phi (56S) coding for production of staphylococcin active against other staphylococci and further gram-positive bacteria, producer of exfoliatin. (Medium 2 37C)
- 5885 88/79 .M.Martin, "UT 0017". Indicator strain for staphylococcin of strain Mau 87/79. (Medium 2 37C)
- 89/79 B.B.Wiley, University of Utah, Salt Lake City, USA, "UT 0007". Caries plasmid coding for production of staphylococcin and exfoliatin. Phage type II. (Medium 2 37C)
- 5930 90/81 F.Výmola, IHE. Man "6409". For titration of virulent staphylococcal phage. (Medium 2 37C)
- 5931 91/81 M.S.Bergdoll, "FRI 1169". Producer of TSST-1. (Medium 2 37C)
- 5932 Mau 92/85 B.Skalka, VŠV - M.Rogolsky, University of Utah, College of Medicine, "UT 0001". Biotype A. Producer of exfoliatin and bacteriocin Bac<sub>R1</sub>. (Medium 2 37C)Skalka ref 75,77
- 5933 94/85 B.Skalka - M.Rogolsky, "UT 0003". Biotype A. Producer of exfoliatin (Medium 2 37C)

- 95/85 B.Skalka - M.Rogolsky, "UT 0004". Biotype A. Producer of exfoliatin and bacteriocin BacR<sub>I</sub>. (Medium 2 37C)
- 96/85 B.Skalka 86/79 J.Šmarda, "8". Producer of staphylococcin. (Medium 2 37C)
- 5934 97/85 B.Skalka - M.Rogolsky, "UT 0006". Biotype C. Producer of exfoliatin. (Medium 2 37C)
- 99/85 B.Skalka - M.Rogolsky, "UT 0008". Biotype A. Producer of exfoliatin and bacteriocin BacR<sub>I</sub>. (Medium 2 37C)
- 100/85 B.Skalka - M.Rogolsky, "UT 0010". Biotype A. Producer of exfoliatin. (Medium 2 37C)
- 5935 101/85 B.Skalka. Dermatitis "Vo-85". Biotype C. Producer of bacteriocin effective against *S. aureus* but not against *S. intermedius* and coagulase-negative staphylococci. (Medium 2 37C)
- 7122 102/85 B.Skalka. Dermatitis "V 22". Biotype C. Producer of bacteriocin effective against *S. aureus* but not against *S. intermedius* and coagulase-negative staphylococci. (Medium 2 37C)
- 5936 103/85 B.Skalka. Rhinitis of horse "Par 18". Biotype A. Producer of staphylococcal bacteriocin, strongly effective against *S. aureus*, *S. intermedius* and coagulase-negative staphylococci. (Medium 2 37C)
- 7123 104/86 B.Skalka. Cow á mastitis "ČBII 45". Biotype C. Highly sensitive to staphylococcal bacteriocins. (Medium 2 37C)
- 105/86 B.Skalka. *Cow á mastitis* "ČB II 66". Biotype C. Highly sensitive to staphylococcal bacteriocins. (Medium 2 37C)
- 106/86 B.Skalka. *Cow á mastitis* "ČB 27". Biotype C. Highly sensitive to staphylococcal bacteriocins. (Medium 2 37C)
- 107/86 B.Skalka. Pig tonsils "C1-0". Biotype C. Highly sensitive to staphylococcal bacteriocins. (Medium 2 37C)
- 109/87 E.Vrbová, IHE, "Sa.7376/B". Producer of penicillinase. (Medium 2 37C)
- 111/88 P.Petráš, IHE. Punch cake "88/209". Producer of enterotoxin A. (Medium 2 37C)
- 5937 108/86 J.Šmarda - V.Hájek, MÚ LF UP, "K-6-WI". Producer of lysostaphin. (Medium 2 37C)
- 5938 110/88 DSM, "3463" - ATCC, "29737". Assay of antibiotics. (Medium 2 37C)
- 5940 Mau 112/88 P.Petráš. Osteomyelitis "87/30". Producer of enterotoxin B. (Medium 2 37C) Petráš ref. 70,71
- 7125 113/88 P.Petráš. Septic wound "86/650". Producer of enterotoxin B. (Medium 2 37C)
- 5941 114/88 P.Petráš. Pus from abscess after appendectomy "88/421". Cause of toxic shock syndrome. Producer of enterotoxin C. (Medium 2 37C)
- 5942 115/88 P.Petráš. Palmar smear "87/212". Producer of enterotoxin D. (Medium 2 37C)
- 5943 116/88 P.Petráš. Cervical smear after childbirth. Cause of toxic shock syndrome. Producer of TSST-1. (Medium 2 37C)
- 7126 117/88 P.Petráš. Diarrheal stool "86/327". Producer of TSST-1. (Medium 2 37C)
- 5944 119/88 P.Petráš. Diarrheal stool "77/787". Producer of enterotoxins A+C+E and TSST-1. (Medium 2 37C)
- 7127 120/88 P.Petráš. Septic wound "85/85". Producer of enterotoxins A+C and TSST-1. (Medium 2 37C)
- 7128 121/88 P.Petráš. Purulent otitis "82/46" Producer of enterotoxin D. (Medium 2 37C)
- 5945 122/88 P.Petráš. Haemoculture "86/292". Cause of toxic shock syndrome. Producer

- of enterotoxin A and TSST-1. (Medium 2 37C)
- 123/89 J.Duben, OHS, Havlíčkův Brod. Fatal enterotoxigenesis "170 s/77". Producer of enterotoxin A. (Medium 2 37C)
- 125/89 B.Skalka. Normal human skin "AU 190". Producer of delta-haemolysin. (Medium 2 37C)
- 5947 124/89 B.Skalka. Case of dermatitis "AU 197". Producer of delta-haemolysin. (Medium 2 37C)
- 5929 126/89 B.Skalka. Cows mammary gland "AU 126". Producer of beta-haemolysin. (Medium 2 37C)
- 5480 127/90 DSM, "2569" - ATCC, "29213". wound, strain Wichita. Micro-media Systems Inc. Minimum inhibitory concentration of ampicillin, carbenicillin, cephalothin, chloramphenicol, clindamycin, colistin, erythromycin, gentamicin, kanamycin, methicillin, nitrofurantoin, penicillin G, tetracycline, trimethoprim-sulfa-methoxazole and tobramycin. (Medium 2 37C)

Staphylococcus chromogenes (Devriese et al.) Hájek et al.

- 5791 M 44/88 V.Hájek, MÚ LF UP, "SH 220" - NCTC, "10530", ATCC, "43764" (Staphylococcus hyicus subsp. chromogenes). Pig skin. Type strain. (Medium 2 37C)
- 6029 45/88 B.Skalka, VŠV. Pig skin "703/87". Strongly chromogenic. (Medium 2 37C)
- 6030 M 46/88 B.Skalka. Pig tonsils "567/87". Achromogenic. (Medium 2 37C)ref 79
- 6031 47/88 B.Skalka. Mammary gland of cow "797/87". Strongly chromogenic. (Medium 2 37C)ref79

Staphylococcus epidermidis (Winslow and Winslow) Švand

- M 1/42 SZÚ, "25730". (Medium 2 37C)
- 2/47 SZÚ. (Medium 2 37C)
- 3/48 SZÚ, "8746". (Medium 2 37C)
- 4/48 SZÚ, "8824". (Medium 2 37C)
- M
- 5212 12/63 W.W.Wright, Division of antibiotics Washington, "WHO 12", ATCC, "12228".
- 13/63 J.Sedlák, LFH KU - A.T.Pereira, Instituto Bacteriologico Camara Pestana, Lisboa, Portugal. Urinary tract infection pus "51877". For factor 51 serum preparation. (Medium 2 37C)
- 14/63 A.T.Pereira. Urinary tract infection pus "F C". For factor 51 serum preparation. (Medium 2 37C)
- Assay of gentamicin, kanamycin, neomycin, netilmicin, novobiocin, oleandomycin, paromomycin, sisomicin, vancomycin. Disinfectant testing. Media testing. (Medium 2 37C)
- 7129 25/85 B.Skalka, VŠV. Dermatitis in man "K-14". Producer of staphylococcal bacteriocin effective against staphylococcal species. (Medium 2 37C)
- 6034 40/86 B.Skalka. Mammary gland of cattle "St 2". Sensitive only to bacteriocins produced by coagulase-negative staphylococci. (Medium 2 37C)
- 6037 M 66/89 B.Skalka, "EP 814". Human tonsils. Producer of delta-haemolysin. (Medium 2 37C)
- 41/86 J.Šmarda, KB LF UJEP - H.G.Sahl, Institut für Medizinische Mikrobiologie und Immunologie, Universität Bonn, FRG, "5". Producer of peptide 5 (indicator strain M 42/86). (Medium 2 37C)
- Mau 85/79 J.Šmarda, "21". Producer of staphylococcin. (Medium 2 37C)
- M 67/89 B.Skalka, "EP 815". Human tonsils. Producer of delta-haemolysin. (Medium 2 37C)

Staphylococcus gallinarum Devriese et al.

- M 63/89 B.Skalka, VŠV. Apodemus sylvaticus "265/89-S". (Medium 2 37C)

- 64/89 9.Skalka. *Mus musculus* "266/89-S". (Medium 2 37C)  
 65/89 B.Skalka. *Passer domesticus* "277/89-S". (Medium 2 37C)

*Staphylococcus haemolyticus* Schleifer and Kloos

- 6019 M 39/86 B.Skalka, VŠV. Tonsils of cattle "KONT 33". Indicator strain sensitive to bacteriocins of coagulase-negative staphylococci. (Medium 2 37C)ref77  
 M 68/89 B.Skalka. Lungs of cattle "HA K33". Producer of delta-haemolysin. (Medium 2 37C)

*Staphylococcus hominis* Kloos and Schleifer

- 6039 M 31/86 B.Skalka, VŠV. Urine "KONT 32". Producer of staphylococcal bacteriocin effective against coagulase-negative, novobiocin-sensitive staphylococci. (Medium 2 37C)  
 6040 34/86 B.Skalka. Human skin "KONT 40". Producer of wide-spectrum staphylococcal bacteriocin. (Medium 2 37C)  
 6041 35/86 B.Skalka. Pig skin "SI 8". Producer of wide-spectrum staphylococcal bacteriocin. (Medium 2 37C)  
 6042 70/89 B.Skalka. Mammary gland of cattle "HO 579". Producer of delta-haemolysin. (Medium 2 37C)

*Staphylococcus hyicus* subsp. *hyicus* (Sompolinski) Oevriese et al.

- 6043 M 43/88 V.Hájek, MÚ LF UP, "SH 30" - NCTC, "10350" - ATCC, "11249". Type strain. (Medium 2 37C)  
 6044 51/88 B.Skalka, VŠV. Tonsils of cattle "664/86". Producer of staphylococcal bacteriocin. (Medium 2 37C)  
 M 52/88 B.Skalka. Pig tonsils "256/87". (Medium 2 37C)  
 53/87 B.Skalka. Pig tonsils "468/87". (Medium 2 37C)  
 5993 69/89 B.Skalka. Lungs of pig "HY 785". Strongly inhibitory to staphylococcal delta-haemolysin. (Medium 2 37C)

*Staphylococcus intermedius* Hájek

- M 16/75 V.Hájek, MÚLF UP. Pigeon é nostrils "H 11/68". (Medium 2 37C)  
 6046 19/79 J.Šmarda, KBLF UJEP - T.Lachowicz, Military Institute of Hygiene and Epidemiology, Krakow, Poland, "1262 a". Producer of staphylococcin A (indicator strain *S. aureus* Mau 28/58). (Medium 2 37C)  
 7130 21/79 J.Šmarda - F.Federič, Ústav experimentální veterinární medicíny (Institute of Experimental Veterinary Medicine), Košice, ČSSR. Lung tissue of pine marten, "40". Producer of staphylococcin (indicator strain *S. aureus* Mau 76/71). (Medium 2 37C)  
 6047 23/85 B.Skalka, VŠV. Otitis in dog "OP-42". Producer of staphylococcal bacteriocin, effective against *S. aureus* biotype C and 50% of *S. intermedius* strains, but not against biotypes A and B of *S. aureus* and coagulase-negative species. (Medium 2 37C)  
 6048 24/85 B.Skalka. Otitis in dog "OP-12". Producer of staphylococcal bacteriocin, effective against *S. aureus* biotype C, 50% of *S. intermedius* strains and 20% of coagulase-negative species. (Medium 2 37C)  
 6049 26/85 B.Skalka. Dermatitis in dog "M 19". Producer of staphylococcal bacteriocin, effective against coagulase-

- positive and coagulase-negative staphylococcal species. (Medium 2 37C)
- 6050 27/85 B.Skalka. Dog "OP-37". Producer of staphylococcal bacteriocin effective against staphylococcal species. (Medium 2 37C)ref77-
- 6051 28/85 B.Skalka. Otitis in dog "OP-43". Producer of staphylococcal bacteriocin, effective against *S. aureus* and most coagulase-negative staphylococci. (Medium 2 37C)
- 6052 29/85 B.Skalka. Mink "NO 66". Producer of staphylococcal bacteriocin, effective against *S. aureus*, but not against *S. intermedius* and coagulase-negative species. (Medium 2 37C)
- 6053 37/86 B.Skalka. Otitis in dog "OP-41". Indicator strain sensitive to bacteriocins of coagulase-negative staphylococci. (Medium 2 37C)
- 6054 38/86 B.Skalka. Dermatitis in dog "P-274". Indicator strain sensitive to bacteriocins of *S. intermedius*. (Medium 2 37C)

Staphylococcus sciuri subsp. sciuri Kloos et al.

- 7129 M 25/85 B.Skalka, VŠV (*Staphylococcus epidermidis*). Dermatitis in man "K-14". Producer of staphylococcal bacteriocin effective against staphylococcal species. (Medium 2 37C)
- 6055 32/86 B.Skalka, VŠV. Pig skin "KPJ III". Producer of wide-spectrum staphylococcal bacteriocin. (Medium 2 37C)
- M 59/89 B.Skalka. Domestic fowl "91/89-S". (Medium 2 37C)
- 60/89 B.Skalka. Cattle "203/89-S". (Medium 2 37C)
- 61/89 B.Skalka. Cattle "204/89-S". (Medium 2 37C)
- 62/89 B.Skalka. Cattle "234/89-S". (Medium 2 37C)

Staphylococcus simulans Kloos and Schleifer

- 6020 M 30/86 B.Skalka, VŠV. Lung tissue of cattle "N 99". Producer of wide-spectrum staphylococcal bacteriocin. (Medium 2 37C)
- 7131 36/86 B.Skalka. Pig skin "SS-6". Producer of wide-spectrum staphylococcal bacteriocin. (Medium 2 37C)
- M 42/86 J.Šmarda, KB LF UJEP - H.G.Sahl, Institut für Medizinische Mikrobiologie und Immunologie, Universität Bonn, FRG,"22". Indicator strain for peptide 5. (Medium 2 37C)

Staphylococcus sp.

- M 20/79 B.B.Wiley, University of Utah, Salt Lake City, USA, "502 A". Indicator strain for staphylococcal strain Mau 89/79. (Medium 2 37C)
- 75/90 P.Petráš, IHE(*Staphylococcus auricularis*). Stool "NSK 31". (Medium 2 37C)
- 6061 22/84 ATCC, "27626" (*Staphylococcus epidermidis*). Intravenous catheter. Assay of gentamicin, resistant to ampicillin, carbenicillin, cephalothin, sulfa, lincomycin and clindamycin. (Medium 2 37C)

Staphylococcus warneri Kloos and Schleifer

- 6023 M 71/89 B.Skalka, VŠV. Pig tonsils "WA 601". Producer of delta-haemolysin. (Medium 2 37C)
- M 72/89 B.Skalka. Mammary gland of cattle "WA 599". Producer of delta-haemolysin. (Medium 2 37C)

Staphylococcus xylosum Schleifer and Kloos

- M 18/79 J.Šmarda, KB LF UJEP. Urine of patient "9". Producer of staphylococcin. (Medium 2 37C)
- 54/89 B.Skalka, VŠV.Lungs (Passer domesticus) "116/89-S". Producer of yellow pigment. (Medium 2 37C)
- 55/89 B.Skalka. Lungs (Passer domesticus) "130/89-S". (Medium 2 37C)
- 56/89 B.Skalka. Lungs (cattle) "241/89-S". Producer of yellow pigment. (Medium 2 37C)
- 57/89 B.Skalka. Lungs (Apodemus sp.) "258/89-S". (Medium 2 37C)
- 58/89 B.Skalka. Lungs (Passer domesticus) "269/89-S". (Medium 2 37C)

Streptococcus acidominimus Ayers and Mudge Str 1/84 CDC<sub>1</sub>, "SS 1018". (Medium 2 37C)

- 2/84 CDC<sub>1</sub>, "SS 1019". (Medium 2 37C)

Streptococcus apalactiae Lehmann and Neumann Lancefield s group B

- Str 81/50 R.C.Lancefield, RU, "V 9", ATCC, "12387", NCTC, "8100". (Medium 2 37C)
- 82/50 RU, "090 R", ATCC, "12386, NCTC, "9993". (Medium 2 37C)
- 1/54 PZH, "S 122". (Medium 2 37C)
- 19/58 PHLS, "18 RS 21". (Medium 2 37C)
- 14/60 PHLS, "S 107". (Medium 2 37C)
- 8/66 RU, "090 R variant", NCTC, "11360". Preparation of group B antiserum. (Medium 2 37C)
- 3/89 ATCC, "27956". Control for mastitis screening. (Medium 2 37C)

## Type (serotype) Ia

- Str 58/59 PHLS - RU, "090 R", ATCC, "12400". Preparation of Ia antiserum. (Medium 2 37C)
- 5/70 RU, "A 909", ATCC, "27591", NCTC, "11078", Ia/c (formerly "Ic"). Preparation of c anti-serum. (Medium 2 37C)
- 8/70 RU, "090 S". (Medium 2 37C) Type Ib
- Str 59/59 RU, "H 36 B", ATCC, "12401". Preparation of Ib antiserum. (Medium 2 37C)

## Type II

- Str 6/50 IC, "Lewis". (Medium 2 37C)
- Str 60/59 PHLS - RU, "18 RS 21", NCTC, "11079". Preparation of II antiserum. (Medium 2 37C)
- 3/70 RU, "18 RS 21/19/2". (Medium 2 37C) Type III
- Str 61/59 PHLS - RU, M 216", NCTC, "11080", III/R. (Medium 2 37C)
- 13/63 J. Jelínková, IHE, "6313". Preparation of III antiserum. (Medium 2 37C)
- 4/70 RU, "D 136 C", ATCC, "12403". (Medium 2 37C)

## Type IV

- Str 1/82 S.Rabinowitz, National Streptococcus Reference Center, Jerusalem, Israel, "3139", ATCC, "49446". Preparation of IV antiserum. (Medium 2 37C)
- 3/83 B.Perch, Sts, "1110". (Medium 2 37C)

## Type V

- Str 10/84 H.Wilkinson, COC<sub>1</sub>, "NT1", COC<sub>1</sub>, "SS 1169", ATCC, "49447". Preparation of V antiserum. (Medium 2 37C)

## Type candidates

- Str 2/86 H.Wilkinson, "NT6", CDC<sub>1</sub>, "SS 1214". Preparation of NT6 antiserum. (Medium 2 37C)
- 4/89 B.Perch, "7271". Preparation of 7271 antiserum. (Medium 2 37C)

## Protein antigens

- Str 24/60 I.H.Pattison, Agricultural Research Council Field Station, Compton, Berkshire, England, "Compton", ATCC, "49449", NCTC, "9829". Protein X.

25/60 Preparation of X antiserum. (Medium 2 37C)  
 I.H.Pattison, "Compton", ATCC, "49448", NCTC, "9828". Protein R.  
 Preparation of R antiserum. (Medium 2 37C)

Streptococcus alactolyticus Farrow et al.

Str 15/89 ATCC, "43077". Type strain.(Medium 2 37C)  
 Streptococcus anginosus (Andrewes and Horder) Smith and Sherman  
 Str. 2/50 IC, „F 76“. Group F. (medium 2 37C)  
 89/50 RU, „H 60R“, ATCC, „12392“. Group F.(Medium 2 37C)  
 1/53 PZH, „MG 122“ (Streptococcus MG). (Medium 33 37C)  
 2/63 W. Hijmans, University Hospital, Leden, The Netherlands, NCTC, „8037“  
 (Streptococcus MG). (Medium 33 37C)  
 21/58 PHLS, „O'Mahoney“, NCTC, „5389“. Group F. Serotype II. (Medium 33 37C)  
 3/65 H. Ottens, „I 8“. Group F. Serotype I. (Medium 33 37C)  
 4/65 H. Ottens, „I 8“. Group F. Serotype I. (Medium 33 37C)  
 5/65 H. Ottens, „H 189“. Group F. Serotype I. (Medium 33 37C)  
 6618 Str 6/65 H.Ottens, "I 62". Group F. Serotype IV. (Medium 33  
 37C)  
 6655 9/66 PHLS, "F 68A", ATCC, "33397",

NCTC, "10713" (Streptococcus anginosus). Group G antigen. Type strain.

(Medium 2 37C)

7136 5/77 ATCC, "15912", CDC<sub>I</sub>, "SS 89B" (Streptococcus MG). (Medium 33 37C) type strain  
 6605 6/77 ATCC, "27335", NCTC, "11324", CDC<sub>I</sub>, "SS 1090" (Streptococcus intermedium). (Medium 33 37C,  
 Anaerobic)type strain  
 6622 6/89 ATCC, "27823", NCTC, "11325" (Streptococcus constellatus). (Medium 33 37C)type strain

Streptococcus avium see Enterococcus avium

Streptococcus bovis Orla-Jensen

Lancefield s group D

7137 Str 9/63 PHLS - NCTC, "8140". Biotype II. (Medium 2 37C)  
 6732 3/84 PHLS - NCTC, "8177", ATCC, "33317". Biotype I. Type strain. (Medium 2 37C)  
 4/84 PHLS, "R81/356", NCTC, "11436".  
 7138 1/85 B.Kmeť, Ústav fyziologie hospodářských zvířat, SAV (Institute of Animal Physiology,  
 Slovak Academy of Sciences), Košice, ČSSR, 'AO 24/85". Producer of colonizate preparation  
 "Amylastim (for calves and lambs) stimulating alpha amylase activity of adherent rumen  
 wall microflora". Patent strain. (Medium 2 37C)

Streptococcus canis Devriese et al. Lancefield á group p

6690 Str 18/89 ATCC, "43496". Type strain. (Medium 2 37C)

Streptococcus casseliflavus see Enterococcus casseliflavus

Enterococcus cecorum Devriese et al.

7139 Str 17/89 ATCC, "43198". Type strain. (Medium 2 37C)

Streptococcus constellatus see Streptococcus anginosus

Streptococcus cremoris see Lactococcus lactis subsp. cremoris

Streptococcus cricetus Coykendall

8/89 ATCC 19642 type strain (Medium  
33 37C, 10% CO<sub>2</sub>)

Streptococcus downei Whiley et al.

Str 14/89 ATCC, "33748". Serotype h. Type strain. (Medium 33 37C)

-Streptococcus durans see Enterococcus durans

Streptococcus dysgalactiae (Diernhofer) Garviae et al.

Lancefield's group C

Str 12/77 V.Kubín, ČSAV, "C617". (Medium 2 37C)

Streptococcus equi subsp. equi (Send and Jensen) Kilpper-Balz and Schleifer

Lancefield's group C

Str 3/78 CCM, "5532". (Medium 2 37C)

Streptococcus equi subsp. zooepidemicus Farrow and Collins

Lancefield's group C

Str 34/49 RU, "K 64/0/11", ATCC, "35195". (Medium 2 37C)

Streptococcus equinus Andrewes and Horder Lancefield é group D

str 3/63 NCTC, "1037". (Medium 2 37C)

apalactiae Lehmann and Neumann

Lancefield s group B

6588 Str 81/50 R.C.Lancefield, RU, "V 9", ATCC, "12387", NCTC, "8100". (Medium 2 37C)

6589 82/50 RU, "090 R", ATCC, "12386", NCTC, "9993". (Medium 2 37C)

6590 8/66 RU, "090 R variant", NCTC, "11360". Preparation of group B antiserum.  
(Medium 2 37C)

6591 3/89 ATCC, "27956". Control for mastitis screening. (Medium 2 37C)

Type (serotype) Ia

6592 Str 58/59 PHLS - RU, "090 R", ATCC, "12400". Preparation of Ia antiserum. (Medium 2  
37C)

6593 5/70 RU, "A 909", ATCC, "27591", NCTC, "11078", .Preparation of c anti-  
serum. (Medium 2 37C)

Type Ib

6594 Str 59/59 RU, "H 36 B", ATCC, "12401". Preparation of Ib antiserum. (Medium 2  
37C)

Type II

6596 Str 60/59 PHLS - RU, "18 RS 21", NCTC, "11079". Preparation of II antiserum. (Medium 2  
37C)

Type III

7132 Str 61/59 PHLS - RU, M 216", NCTC, "11080", III/R. (Medium 2 37C)

7133 13/63 J. Jelínková, IHE, "6313". Preparation of III antiserum. (Medium 2 37C)

6597 4/70 RU, "D 136 C", ATCC, "12403". (Medium 2 37C)

Type IV

6606 Str 1/82 S.Rabinowitz, National Streptococcus Reference Center, Jerusalem, Israel,



"3139", ATTC, "49446". Preparation of IV antiserum. (Medium 2 37C)ref35

## Type V

6607 Str 10/84 H.Wilkinson, COC<sub>1</sub>, "NT1", COC<sub>1</sub>,  
"SS 1169", ATCC, "49447". Preparation of V antiserum. (Medium 2 37C)ref35

## Type VI

6608 2/86 H.Wilkinson, "NT6", CDC<sub>1</sub>, "SS 1214".  
Preparation of VI antiserum. (Medium 2 37C)

## Type VII

6609 4/89 B.Perch, "7271". Preparation of 7271 antiserum. (Medium 2 37C)

## Protein antigens

## Type VIII

6610 24/60 I.H.Pattison, Agricultural Research Council Field Station, Compton,  
Berkshire, England, "Compton", ATCC, "49449", NCTC, "9829". Protein X.  
Preparation of X antiserum. (Medium 2 37C)ref35

6611 25/60 I.H.Pattison, "Compton", ATCC, "49448", NCTC, "9828". Protein R.  
Preparation of R antiserum. (Medium 2 37C)ref35

Streptococcus alactolyticus Farrow et al.

6615 Str 15/89 ATCC, "43077". Type strain.(Medium 2 37C)

Streptococcus anginosus (Andrewes and Horder) Smith and Sherman

7134 Str 89/50 RU, "H 60 R", ATCC, "12392". Group F. (Medium 2 37C)

7135 2/63 W.Hijmans, University Hospital, Leiden, The Netherlands, NCTC, "8037"  
(Streptococcus MG).(Medium 33 37C)

6612 21/58 PHLS, "O Mahoney", NCTC, "5389".  
Group F. Serotype II. (Medium 33 37C)

6614 4/65 H.Ottens, "I 8". Group F. Serotype I. (Medium 33 37C)

6621 5/65 H.Ottens, "H 189". Group F. Serotype II. (Medium 33 37C)

Streptococcus downei Whiley et al.

6691 Str 14/89 ATCC, "33748". Serotype h. Type strain. (Medium 33 37C)

-Streptococcus durans see Enterococcus duransStreptococcus equi subsp. zooepidemicus Farrow and Collins

## Lancefield's group C

7140 Str 34/49 RU, "K 64/0/11", ATCC, "35195". (Medium 2 37C)

Streptococcus equinus Andrewes and Horder

## Lancefield é group D

6693 Str 3/63 NCTC, "1037". (Medium 2 37C)

Streptococcus equisimilis Frost and Engelbrecht

## Lancefield s group C

	Str	7/49 PZH, 83/50	"C4". (Medium 2 37C) RU, "C 74". (Medium 2 37C)
7141	Str	9/50	IC, "Azgazardah", NCTC, "4540". Serotype 7. (Medium 2 37C)
7142		10/50	IC, "Niel", NCTC, "5370". Sero-type 20. (Medium 2 37C)
7143		11/50	IC, "Angel", NCTC, "5371". Serotype 21. (Medium 2 37C)
6694		41/59	PHLS, "Chestle", ATCC, "35666", NCTC, "8543". Preparation of group C antiserum. (Medium 2 37C)

Streptococcus faecalis see Enterococcus faecalis

Streptococcus faecium see Enterococcus faecium

Streptococcus ferus Coykendall

6695 Str 11/89 ATCC, "33477". Type strain. (Medium 32,33,37C, 5 % CO<sub>2</sub>)

Streptococcus gallinarum see Enterococcus gallinarum

Streptococcus garviae see Lactococcus garviae

Streptococcus hirae see Enterococcus hirae

Streptococcus iniae Pier and Madin

7144 Str 8/84 G.B.Pier, "BU", ATCC, "29177", CDC<sub>1</sub>, "SS 1123". Provisional group Z. (Medium 2 37C)

6696 9/84 G.B.Pier and S.Madin, Department of Biochemical and Environmental Health Sciences, University of California Berkeley, San Francisco, USA, "PW", ATCC, "29178", CDC<sub>1</sub>, "SS 1056". Provisional group Z. Type strain. (Medium 2 37C)

Streptococcus intermedius see Streptococcus anpinosus

Streptococcus lactis see Lactococcus lactis subsp. lactis

Streptococcus macacae Beighton et al.

6697 Str 13/89 ATCC, "35911", NCTC, "11558".  
Type strain. (Medium 2 37C, 5% CO<sub>2</sub>)

Streptococcus malodoratus see Enterococcus malodoratus

Streptococcus MG see Streptococcus anpinosus

Streptococcus milleri see Streptococcus anpinosus

Streptococcus mitis Andrewes and Horder (Streptococcus "mitior")

Str 25/69 ATCC, "9811", CDC<sub>1</sub>, "SS 1066". (Medium 2 37C)  
4/77 CDC<sub>1</sub>, "SS 429". (Medium 2 37C)

Streptococcus mundtii see Enterococcus mundtii

Streptococcus mutans Clarke

6699 Str 8/77 NCTC, "10449", ATCC, "25175", CDC<sub>1</sub>  
"SS 909". Serotype c. Type strain. (Medium 33 37C)

6712 10/77 G.Colman, "Fa 1", NCTC, "10920". Serotype b. (Medium 33 37C)  
Str 9/77 CDC<sub>1</sub>, "1122". (Medium 33 37C)

11/77 G.Colman, "Ingbritt". Serotype c. (Medium 33 37C)  
 1/80 Lehner, "Guy s strain". Serotype c. (Medium 33 37C)

Streptococcus plantarum see Lactococcus plantarum

Streptococcus pneumoniae (Klein) Chester Pn<sup>1</sup>

4/49 RKI. Serotype 1. (Medium 2 37C)  
 5794 Pn<sup>1</sup> 6/56 E.Lund, StS, "N". Serotype 1. (Medium 2 37C)  
 5810 Pn<sup>1</sup> 7/59 Abbott Laboratories, North Chicago, USA, ATCC,"6301". For spontin assay.  
 Serotype 1. (Medium 2 37C)  
 5811 Pn<sup>3</sup> 11/56 E.Lund, "2". Serotype 3. (Medium 2 37C)  
 5801 Pn<sup>4</sup> 1/56 E.Lund, "34348". Serotype 4. (Medium 2 37C)  
 5795 Pn<sup>6A</sup> 3/56 E.Lund, "34351". Serotype 6A. (Medium 2 37C)  
 5797 Pn<sup>6B</sup> 4/56 E.Lund, "2616/39". Serotype 6B. (Medium 2 37C)  
 5796 Pn<sup>7F</sup> 5/56 E.Lund, Spring Valley". 'Serotype 7F. (Medium 2 37C)  
 5798 Pn<sup>7A</sup> 74/64 E.Lund, "2040/37". Serotype 7A. (Medium 2 37C)  
 5813 Pn<sup>7B</sup> 16/57 E.Lund, "1348/39". Serotype 7B. (Medium 2 37C)  
 5799 Pn<sup>7C</sup> 17/57 E.Lund, "8111/39". Serotype 7C. (Medium 2 37C)  
 5814 Pn<sup>8</sup> 6/56 E.Lund, "Henrique". Serotype B. (Medium 2 37C)  
 Pn 2/56 E.Lund, "M57". Serotype 2.(Medium 2 37C)  
 Pn<sup>3</sup>12/59 M.Kohoutová, 8Ú. S-form Pn<sup>2</sup> changed to S-fořm Pn<sup>3</sup> by transformation;  
 passaging in STM yielded strain resistant to 4000 µg STM/ml. Serotype 3.  
 (Medium 2 37C)  
 Pn<sup>5</sup> 2/56 E.Lund, "Ambrose". Serotype 5. (Medium 2 37C)  
 Pn<sup>12A</sup> 82/74 E.Lund, "Pn 12+46 Hansmann 6312". Serotype 12A. (Medium 2 37C)  
 5816 Pn<sup>9L</sup> 18/57 E.Lund, "Miller". Serotype 9L. (Medium 2 37C)  
 5815 Pn<sup>9A</sup> 7/56 E.Lund, "Wilder". Serotype 9A. (Medium 2 37C)  
 5800 Pn<sup>9N</sup> 19/57 E.Lund, "Thomas". Serotype 9N. (Medium 2 37C)  
 5803 Pn<sup>9V</sup> 20/57 E.Lund, "9220/38". Serotype 9V. (Medium 2 37C)  
 5818 Pn<sup>10F</sup> 8/56 E.Lund, "6118/39". Serotype 10F. (Medium 2 37C)  
 5817 Pn<sup>10A</sup> 41/57 E.Lund, "Reilly". Serotype 10A. (Medium 2 37C)  
 5827 Pn<sup>11F</sup> 9/56 E.Lund, "Lederle". Serotype 11F. (Medium 2 37C)  
 5828 Pn<sup>11A</sup> 21/57 E.Lund, "Gorman". Serotype 11A. (Medium 2 37C)  
 5823 Pn<sup>11B</sup> 45/57 E.Lund, "8087/40". S`cýotype }=4^B. (Medium 2 37C)  
 5819 Pn<sup>11C</sup> 75/64 E.Lund, "Eddy 53". Serotype 11C. (Medium 2 37C)  
 5830 Pn<sup>12F</sup> 10/56 E.Lund, "Clark". Serotype 12F. (Medium 2 37C)  
 5829 Pn<sup>12A</sup> 81/74 E.Lund, "Hansmann 12486". Serotype 12A. (Medium 2 37C)  
 5831 Pn<sup>13</sup> 11/56 E.Lund, "34357". Serotype 13. (Medium 2 37C)  
 5832 Pn<sup>14</sup> 12/56 E.Lund, "Lederle". Serotype 14. (Medium 2 37C)  
 5834 Pn<sup>15F</sup> 13/56 E.Lund, "34360". Serotype 15F. (Medium 2 37C)  
 5820 Pn<sup>15A</sup> 58/57 E.Lund, "Finaro". Serotype 15A. (Medium 2 37C)  
 5824 Pn<sup>15B</sup> 59/57 E.Lund, "3449/39". Serotype 15B. (Medium 2 37C)  
 5839 Pn<sup>16</sup> 14/56 E.Lund, "34361". serotype 16. (Medium 2 37C)  
 5843 Pn<sup>17F</sup> 15/56 E.Lund, "2959/39". Serotype 17F. (Medium 2 37C)  
 5842 Pn<sup>17A</sup> 61/57 E.Lund, "4081/49". Serotype 17A. (Medium 2 37C)  
 5838 Pn<sup>18F</sup> 42/57 E.Lund, "Lederle". Serotype 18F. (Medium 2 37C)  
 5837 Pn<sup>18B</sup> 43/57 E.Lund, "1033/41". Serotype 18B. (Medium 2 37C)  
 5854 Pn<sup>18C</sup> 44/62 E.Lund, "7573/39". Serotype 18C. (Medium 2 37C)

5860	Pn <sup>19F</sup> 23/57	E.Lund, "34364". Serotype 19F. (Medium 2 37C)
5840	Pn <sup>19A</sup> 24/57	E.Lund, "1777/39". Serotype 19A. (Medium 2 37C)
5853	Pn <sup>19B</sup> 25/57	E.Lund, "5928/39". Serotype 19B. (Medium 2 37C)
5855	Pn <sup>19C</sup> 76/64	E.Lund, "7588/39". Serotype 19C. (Medium 2 37C)
5862	Pn <sup>20</sup> 26/57	E.Lund, "Lederle". Serotype 20. (Medium 2 37C)
5861	Pn <sup>20</sup> 72/60	R.E.O.Williams, PHLS. Producer of dextran. For serodiagnostic differentiation between Streptococcus sanguis and Streptococcus salivarius. Serotype 20. (Medium 2 37C)
5865	Pn <sup>21</sup> 27/57	E.Lund, "Lederle". Serotype 21. (Medium 2 37C)
5867	Pn <sup>22F</sup> 28/57	E.Lund, "Lederle". Serotype 22F. (Medium 2 37C)
5856	Pn <sup>22A</sup> 77/64	E.Lund, "Eddy 63". Serotype 22A. (Medium 2 37C)
7327	Pn <sup>23F</sup> 29/57	E.Lund, "1859/40". Serotype 23F. (Medium 2 37C)
5857	Pn <sup>23A</sup> 30/57	E.Lund, "2584/39". Serotype 23A. (Medium 2 37C)
5858	Pn <sup>23A</sup> 83/74	E.Lund, "1196/45". Serotype 23A. (Medium 2 37C)
5859	Pn <sup>23B</sup> 31/57	E.Lund, "1039/41". Serotype 23B. (Medium 2 37C)
5866	Pn <sup>24F</sup> 34/57	E.Lund, "Lederle". Serotype 24F. (Medium 2 37C)
5864	Pn <sup>24A</sup> 32/57	E.Lund, "2748/40". Serotype (Medium 2 37C)
5889	Pn <sup>24B</sup> 33/57	E.Lund, "4215/42". Serotype (Medium 2 37C)
5890	Pn <sup>25</sup> 35/57	E.Lund, "Lederle". Serotype 25. (Medium 2 37C)
5891	Pn <sup>27</sup> 36/57	E.Lund, "34371". Serotype 27. (Medium 2 37C)
5897	Pn <sup>28F</sup> 38/57	E.Lund, "Lederle". Serotype 28F. (Medium 2 37C)
5892	Pn <sup>28A</sup> 37/57	E.Lund, "1800/43". Serotype 28A. (Medium 2 37C)
5893	Pn <sup>29</sup> 39/57	E.Lund, "34373". Serotype 29. (Medium 2 37C)
5894	Pn <sup>31</sup> 46/57	E.Lund, "34314". Serotype 31. (Medium 2 37C)
5896	Pn <sup>32F</sup> 47/57	E.Lund, "Lederle". Serotype 32F. (Medium 2 37C)
5895	Pn <sup>32A</sup> 62/57	E.Lund, "9309/39". Serotype 32A. (Medium 2 37C)
5899	Pn <sup>33F</sup> 40/57	E.Lund, "3084/37". Serotype 33F. (Medium 2 37C)
5898	Pn <sup>33A</sup> 49/57	E.Lund, "Hallarman". Serotype (Medium 2 37C)
5901	Pn <sup>33B</sup> 50/57	E.Lund, "Yarmishin". Serotype (Medium 2 37C)
5900	Pn <sup>33C</sup> 48/57	E.Lund, "Morgan". Serotype 33C. (Medium 2 37C)
5903	Pn <sup>35F</sup> 52/57	E.Lund, "Dickerson". Serotype 35F. (Medium 2 37C)
5950	Pn <sup>35A</sup> 53/57	E.Lund, "Taylor", Serotype 35A. (Medium 2 37C)
5949	Pn <sup>35B</sup> 54/57	E.Lund, "1602/39". Serotype 35B. (Medium 2 37C)
5884	Pn <sup>35C</sup> 55/57	E.Lund, "7765/43". Serotype 35C. (Medium 2 37C)
6017	Pn <sup>38</sup> 64/57	E.Lund, "1874/39". Serotype 38. (Medium 2 37C)
6027	Pn <sup>40</sup> 65/57	E.Lund, "Colemore". Serotype 40. (Medium 2 37C)
6026	Pn <sup>41F</sup> 66/57	E.Lund, "Meyers". Serotype 41F. (Medium 2 37C)
6025	Pn <sup>41A</sup> 78/64	E.Lund, "Eddy 74". Serotype 41A. (Medium 2 37C)
6071	Pn <sup>42</sup> 67/57	E.Lund, "7471/40". Serotype 42. (Medium 2 37C)

6069	Pn <sup>45</sup> 70/57	E.Lund, "X2368 Dr Ordman". Serotype 45. (Medium 2 37C)
5636	Pn <sup>46</sup> 71/57	E.Lund, "T 378 Dr Ordman". Serotype 46. (Medium 2 37C)
6066	pn47F79/64	E.Lund, "Eddy 52". Serotype 47F. (Medium 2 37C)
5635	Pn <sup>47A</sup> 84/74	E.Lund, "L 351". Serotype 47A. (Medium 2 37C)
6068	Pn <sup>48</sup> 80/64	E.Lund, "378/60". Serotype 48. (Medium 2 37C)
6028	Pn 85/88 "89/29"	J.Rakovský, OHS, Topolčany. Nose Highly resistant to chloramphenicol. (Medium 2 37C)
6067	Pn 86/88	J.Rakovský. Nose (tonsillitis) "18238". Highly resistant to penicillin. (Medium 2 37C)

Streptococcus porcinus Collins et al.

Lancefield s groups E,P,U,V, provisional

7146	Str 37/56	PZH - PHLS, "54/851", ATCC, "14024", NCTC, "9824". Group P. (Medium 2 37C)
	19/55	PZH - PHLS, "54/850". Group P. (Medium 2 37C)
	2/70	E.Thal, "IV 88". Group U. (Medium 2 37C)
6700	27/58	PHLS, "54/853". Preparation of group P antiserum. (Medium 2 37C)
7147	42/59	PHLS, "K 131", ATCC, "12391", NCTC, "10228". Group E. (Medium 2 37C)
6701	1/70	E.Thal, National Veterinary Institute, Stockholm, Sweden, "IV 87". Preparation of group U antiserum. (Medium 2 37C)
6702	1/75	J.Jelínková, IHE, V.Kubín, ČSAV, "176", CCM, "6043", ATCC, "43138", NCTC, "10999", CDC, "SS 1029". Preparation of group V antiserum. Type strain. (Medium 2 37C)
7148	3/77 group X	J.Jelínková, "101897", CCM, "6139", CDC <sub>1</sub> , "SS 1124". Preparation of antiserum. (Medium 2 37C)
6803	Str 1/83	B.Perch, StS - RU, "K 129", ATCC, "12390". Preparation of group E antiserum. (Medium 2 37C)

Streptococcus pyogenes Rosenbach

Lancefields group A

Str 21/49	SZÚ, "1352". Before antibiotic era. (Medium 2 37C)
22/49 SZÚ,	"2101". Before antibiotic era. (Medium 2 37C)
23/49 SZÚ,"	2161". Before antibiotic era. (Medium 2 37C)
24/49	PZH, "Am <sub>1</sub> ". Before antibiotic era. (Medium 2 37C)
1/52	K.Kalbak, StS, "S 84". Production of streptolysin O. (Medium 2 37C)

- 38/56 IP,"T 74 Pappenheimer 594". Production of streptolysin O and erythrogenic toxin. (Medium 2 37C)  
 5/57 K.Kalbak, "A78". Production of streptolysin O. (Medium 2 37C)  
 11/57 Takayoshi Hayashi, Sapporo, Japan, "S No 8". Production of streptolysin S. (Medium 2 37C)
- 6707 9/58 S.P.Halbert, University of Miami,  
 Miami, USA, A.W.Bernheimer,  
 "C 203 S". Production of streptolysin O. (Medium 2 37C)  
 9/53 PZH, "N 4222/W10". Production of hyaluronidase. (Medium 2 37C)  
 5/58 K.Kalbak, "A 4 NW". Production of hyaluronidase. (Medium 2 37C)
- 6708 6/58 K.Kalbak, "A24 NW". Production of hayluronida-se. (Medium 2 37C)
- 6709 7/54 PHLS, "961". Production of proteinase. See also group C. (Medium 2 37C)
- 7149 40/56 PHLS, "Dochez N.Y. 5", ATCC, "12351". Production of erythrogenic Toxin.  
 (Medium 2 37C)
- 7150 1/73 D.W.Watson, University of Minnesota, Minneapolis, USA, "T 18".  
 Production  
 of erythrogenic toxin C. (Medium 2 37C)
- 7151 2/73 D.W.Watson, "T 19". Production of erythrogenic toxin B. (Medium 2 37C)
- 7152 3/73 D.W.Watson, "T 28". Production of erythrogenic toxin A. (Medium 2 37C)
- 7153 10/57 A.W.Bernheimer, University College of Medicine, New York, USA, "C 203 U/A  
 226". Production of nicotinamide adenine dinucleotide. (Medium 2 37C)  
 7/58 L.W.Wannamaker, University Hospital, Minneapolis, USA, "NZ Jiminez".  
 Production of deoxyribonuclease. (Medium 2 37C)  
 8/58 L.W.Wannamaker,"Dematteo". Production of deoxyribonuclease type B.  
 (Medium 2 37C)  
 55/59 J.C.Sylvester, Abbott Laboratories, Chicago, USA, "C 203 S". Antibiotic  
 assay. (Medium 2 37C)
- 7154 15/58 L.W.Wannamaker, "H105-OP". Production of deoxyribonuclease. (Medium 2 37C)  
 6710 Str 20/70 L.W.Wannamaker - A.W.Bernheimer, "C 203 S". Production of  
 deoxyribonuclease type B. (Medium 2 37C) 55/59 J.C.Sylvester, Abbott  
 Laboratories, Chicago, USA, "C 203 S". Antibiotic assay. (Medium 2 37C)
- 12/63 J.Jelínková, "34353". Control of bacitracin *disc* test. See also group C,G.  
 (Medium 2 37C)
- 1/67 H.C.Dillon, University of Alabama, Birmingham, USA, "2184". Production of  
 streptokinase.  
 (Medium 2 37C)
- 3/74 W.Kohler, IMET - E.Kjems, StS, "K 56". Lysogeny indicator. (Medium 2  
 37C)
- 4/74 W.Kohler,"6846". Lysogeny indicator. (Medium 2 37C)
- 5/74 W.Kohler - H.Malke, IMET, "SM 27" (K 56 derivated). Lysogeny indicator.  
 (Medium 2 37C)
- 6/74 W.Kohler,"5004". Lysogeny indicator. (Medium 2 37C)
- 7/74 W.Kohler - A.A.Totolian, Insitute of Experimental Medicine, Leningrad,  
 USSR, "1 H". Lysogeny indicator. (Medium 2 37C)
- 6711 2/67 H.C.Oillon - A.W.Bernheimer, "C203 S". Production of streptokinase.  
 (Medium 2 37C)

Types (serotypes) 1 to 81

Type 1

Str 2/49 PHLs, "S 118". (Medium 2 37C) 3/49 PZH, "Am<sub>2</sub>". (Medium 2 37C)  
 96/50 IC, "Ward". Preparation of T 1 antiserum. (Medium 2 37C)  
 2/55 PZH, "T1/11B/1/W20". (Medium 2 37C)  
 16/58 IP - PHLs, "SF 130/13448198". M antigen. (Medium 2 37C)  
 40/58 PHLs, "SF 130/13". Preparation of M1 antiserum. (Medium 2 37C)  
 7/67 PHLs, "8198". (Medium 2 37C)

7155 29/58 PHLs, "GlossySF 130", ATCC, "12344". (Medium 2 37C)

Type 2

Str 28/56 PZH, "T 2/49/89/10". (Medium 2 37C)  
 30/58 PHLs, "T 2/44/Rb 4 Glossy". Preparation of T2 antiserum. (Medium 2 37C)  
 41/58 PHLs, "T 2/44/Rb 4 Matt". (Medium 2 37C)  
 1/69 RU, "T 2/44/Rb4/119". Preparation of M2 antiserum. (Medium 2 37C)

7156 1/66 R.C.Lancefield, "T 2/44/Rb4/91/3". M antigen. (Medium 2 37C)

Type 3

Str 4/55 PZH, "G III/Richard 55 P". Preparation of M3 antiserum. (Medium 2 37C)  
 29/56 PZH, "Richard D 58/W 20". M antigen. (Medium 2 37C)

Str

4/59 PHLs, "B 930/24". M antigen. (Medium 2 37C)  
 6/59 PHLs, "D 121". R+M antigens. (Medium 2 37C)  
 30/59 PHLs, "Richard". Preparation of T 3 antiserum. (Medium 2 37C)  
 47/59 PZH - PHLs, "Lewis/W 12". M antigen. (Medium 2 37C)

7157 Str 3/59 PHLs, "D 58 X", ATCC, "12383". R antigen. (Medium 2 37C)

Type 4

7158 Str 6/49 RU, "J 17 A", ATCC, "12385". Preparation of group A antiserum. (Medium 2 37C)

Str

5/55 PZH, "N 4222/W 14". M antigen. (Medium 2 37C)  
 42/58 PHLs, "4990", NCTC, "8326". Preparation of T 4 antiserum. (Medium 2 37C)  
 56/59 PHLs, "R 59/98". Preparation of M 4 antiserum. (Medium 2 37C)  
 2/69 RU, "T 4/95/Rb 5". M antigen. (Medium 2 37C)

Type 5

7159 Str 20/59 PHLs, "T 5/B/PS". Preparation of M 5 antiserum. (Medium 2 37C)  
 Str 31/59 PHLs, "Dekens". Preparation of T 5 antiserum. (Medium 2 37C)  
 3/60 PHLs, "R 59/3729". (Medium 2 37C) 4/60 PHLs, "R 59/3727". (Medium 2 37C)

Type 6

Str 8/49 F.Patočka - RU, "S 43/100/7". Preparation of T 6 antiserum. M antigen. (Medium 2 37C)  
 27/50 IC, "283 T". M antigen. (Medium 2 37C)  
 10/58 IP, "A 172". M antigen. (Medium 2 37C)  
 48/59 PZH - PHLs, "S 43/75/8/W 14". M antigen. (Medium 2 37C)  
 2/66 RU, "S 43/100/14". Preparation of M 6 antiserum. (Medium 2 37C)

	1/77	RU, "S 43/192/2". Pathogenic for mouse. M antigen. (Medium 2 37C)
7160	Str31/58	PHLS, "Glossy", ATCC, "12203", NCTC, "8709". (Medium 2 37C)
	Type 8	
	Str 9/49	PHLS, "T 8/52/3". (Medium 2 37C) 99/50 PZH, "T 8 (8)". (Medium 2 37C)
	1/57	IP, "A 223". (Medium 2 37C)
	23/60	RU, "C 265/64/1". Preparation of M 8 antiserum. (Medium 2 37C)
	3/69	RU, "C 265/86/1". M antigen. (Medium 2 37C)
	Str	
7161	32/59	PHLS, "SF 4", NCTC, "8324". Preparation of T 8 antiserum. M antigen. (Medium 2 37C)
	Type 9	
7162	Str 33/59	PHLS, "Symons", NCTC, "8316". Preparation of T 9 antiserum. (Medium 2 37C)
	Str 52/58	PHLS, "9/101/4". M antigen. (Medium 2 37C)
	4/64	RU, "T 9/101/7". Preparation of M 9 antiserum. (Medium 2 37C)
	4/69	RU, "T 9/101/7". (Medium 2 37C) 14/71 RU, "T 9/120/1". (Medium 2 37C)
	3/77	RU, "T 9/120/2". Preparation of M 9 antiserum. (Medium 2 37C)
	Type 11	
	Str	
7163	7/59	PHLS, "R/54/8". Preparation of T 11 antiserum. M antigen. (Medium 2 37C)
	Str 10/49	PHLS, "T 11/54/10". (Medium 2 37C)
	34/59	PHLS, "Blackmore", NCTC, "8318". (Medium 2 37C)
	5/69	RU, "T 11/81/3". M antigen. (Medium 2 37C)
	10/71	RU, "T 11/137/1". Preparation of M 11 antiserum. (Medium 2 37C)
	Type 12	
	Str 11/49	F.Patočka - RU, "E 14/Rb 21/2". (Medium 2 37C)
	8/56	IP - F.Griffith, "R 47/3722/17", NCTC, "8300". M antigen. (Medium 2 37C)
	7/57	R.W.Reed, Department of Bacteriology and Immunology, McGill University, Montreal, Canada, "63595-H 1". From glomerulonephritis. (Medium 2 37C)
	8/57	R.W.Reed, "63599-H 8". From glomerulonephritis. (Medium 2 37C)
	14/59	R.W.Reed, "Bailey". From glomerulonephritis. (Medium 2 37C)
	11/58	IP, "A <sub>14</sub> /8300-3722/17". M antigen. (Medium 2 37C)
	22/59	PHLS, "R 53/1077", NCTC, "10085". M antigen. (Medium 2 37C)
	1/60	PHLS, "R 59/3761". (Medium 2 37C) 2/60 PHLS, "R 59/3778". (Medium 2 37C)
	3/66	RU, "T 12/126/3". (Medium 2 37C)
	1/71	RU, "T 12/126/4". Highly pathogenic for mouse. Preparation of M 12 antiserum. (Medium 2 37C)
7164	12/59	R.W.Reed, "H 8", ATCC, "11436". From glomerulonephritis. (Medium 2 37C)
7165	13/59	R.W.Reed, "35", ATCC, "11435". From glomerulonephritis. (Medium 2 37C)
7166	33/58	PHLS, "SF 42", ATCC, "12353". Preparation of T 12 antiserum. (Medium 2 37C)
	Type 13	
7167	Str 8/59	PHLS, "Glover 8314". Preparation of T 13 antiserum. M antigen. (Medium 2



37C)

Str 5/64 RU, "T 13/51/6". (Medium 2 37C)  
 6/69 RU, "T 13/150/1". Preparation of  
 M 13 antiserum. (Medium 2 37C)  
 50/59 PZH-RU, „Glover 13/51/13". M antigen. (Medium 2 37C)

Type 14

Str 12/49 F.Patočka - RU, "S 23/101/4". Preparation of M14 antiserum. (Medium 2 37C)  
 8/55 PZH,"T 14/S 23/101/W 5". M antigen. (Medium 2 37C)  
 7/69 RU, "T 14/46/6". M antigen. (Medium 2 37C)

Str

7168 35/59 PHLS, "Lowe", NCTC, "8199". Preparation of T14 antiserum. M antigen.  
 (Medium 2 37C)

Type 15

7169 Str 58/50 RU,"J88 A/0/5". Preparation of M 15 antiserum. (Medium 2 37C)  
 Str 11/54 PHLS, "T 15/31", NCTC, "8303". (Medium 2 37C)  
 12/54 PZH, "T 15/13/1". Preparation of M 15 antiserum. (Medium 2 37C)  
 2/57 IP, "A 211". (Medium 2 37C)  
 46/58 PHLS, "15/32/1". Preparation of T 15 antiserum. M antigen. (Medium 2 37C)

Type 17

Str 35/50 IC, "Beatty". (Medium 2 37C)  
 10/55 PZH, "T 17/J 17/E/W 2". M antigen. (Medium 2 37C)  
 10/56 IP - PHLS "8304". Preparation of  
 M 17 antiserum. (Medium 2 37C)  
 23/59 PHLS, "J 17 E/19", NCTC, "8304". M antigen. (Medium 2 37C)

7170 36/59 PHLS, "J 17 E", ATCC, "12356". Preparation of T 17 antigen. (Medium 2  
 37C)

Type 18

Str

7171 24/59 PHLS, "J17 C", ATCC, "12357", NCTC, "8320".M antigen. (Medium 2 37C)  
 Str 14/49 RU, "Coburn R 20-41455". (Medium 2 37C)  
 36/50 IC, "R 147". (Medium 2 37C)  
 8/69 RU, "J 17 C/55/2". Preparation of  
 M 18 antiserum. (Medium 2 37C)  
 19/70 CDC<sub>1</sub>, "SS-578". (Medium 2 37C)

Type 19

Str 15/49 PHLS, "T 19/53/0". (Medium 2 37C)

35/58 PHLS, "R 45-5989". (Medium 2 37C)  
 25/59 PHLS, "J17 D/50", NCTC, "8194". Preparation of M19 antiserum. (Medium 2  
 37C)  
 9/69 RU, "3 17 D/70/8". M antigen. (Medium 2 37C)

7172 12/56 RU, "J 17 D", ATCC, "12358". Preparation of T 19 antiserum. M antigen. (Medium 2 37C)

Type 22

Str 38/50 IC, "Allen". (Medium 2 37C)

59/50 RU, "T 22/83/2". Preparation of M 22 antiserum. (Medium 2 37C)

Str 15/59 RU, "T 22/83/4". M antigen. (Medium 2 37C)

10/69 RU, "T 22/76/3". (Medium 2 37C) 22/70 RU, "T 22/117/3". (Medium 2 37C)

7173 36/58 PHLS, "63 T", ATCC, "10403", NCTC, "8330". Preparation of T 22 antiserum. (Medium 2 37C)

Type 23

Str 17/49 RU, "089". (Medium 2 37C)

37/58 PHLS, "Barts". M antigen. (Medium 2 37C)

11/69 RU, "T 23/70/Rb 5". M antigen. (Medium 2 37C)

5/78 PHLS, "8301". Preparation of M 23 antiserum. (Medium 2 37C)

7174 54/59 PZH - PHLS, "14/Rb 5/12". Preparation of T 23 antiserum. M antigen. (Medium 2 37C)

Type 24

7175 Str 40/50 IC, "S 25". Preparation of T 24 antiserum. (Medium 2 37C)

Type 25

7176 Str 14/56 IP - F.Griffith,"Matthews",ATCC, "12204", NCTC, "8306". M antigen. (Medium 2 37C)

7177 8/64 RU, "8 346 op.", ATCC, "12359". M antigen. (Medium 2 37C)

Str 60/50 RU, "C 98/90/1". (Medium 2 37C)

27/59 PHLS, "C 98/97". Preparation of M 24 antiserum. (Medium 2 37C)

Type 25

14/56 IP - F. Griffith, „Matthews“, ATCC, „12204“, NCTC, „8306“. M antigen. (Medium 2 37C)

Str 47/58 PHLS, "25/34 op.". (Medium 2 37C)

37/59 PHLS, "Matthews". Preparation of T 25 antiserum. (Medium 2 37C)

8/64 RU, "8 346 op.", ATCC, "12359". M antigen. (Medium 2 37C)

4/77 RU, "B 346/136/1".M antigen. (Medium 2 37C)

22/89 PHLS, "100088".Preparation of M 25 antiserum. (Medium 2 37C)

Type 26

7178 Str 14/54 PHLS, "J 17 F/51",NCTC, "8312". Preparation of T 26 antiserum. (Medium 2 37C)

Str 14/55 PZH, "J17 F/38/13/W 2". Preparation of M 26 antiserum. (Medium 2 37C)

Type 27

Str 12/58 IP, "A 139". M antigen. (Medium 2 37C)

38/58 PHLS, "SF 40", NCTC, "8328". Preparation of M 27 and T 27 antisera. (Medium 2 37C)

18/66 W.Kdhler "17/46/4". M antigen. (Medium 2 37C)

7179 12/69 RU, "T 27", ATCC, "8135". Preparation of M 27 antiserum. (Medium 2 37C)

## Type 28

7180 Str 62/50 RU, "T 28/51/3". Preparation of T 28 antiserum. (Medium 2 37C)  
 Str 77/50 IC, "USA". (Medium 2 37C)  
 25/55 PHLS - RU, "C 510 A". (Medium 2 37C)  
 48/58 PHLS, "Small 8308", NCTC, "8308". M+R antigens. (Medium 2 37C)

Str 16/60 RU, "B 574". Preparation of M 28 antiserum. (Medium 2 37C)  
 19/60 RU, "T 28/150 A/4". Preparation of M 28 antiserum. R antigen. (Medium 2 37C)  
 6/71 RU, "T 28/12/4". M antigen. (Medium 2 37C)

## Type 29

7181 Str 45/50 IC - F.Griffith, "Coggins D 23", ATCC, "10096", NCTC, "8310".  
 (Medium 2 37C)  
 Str 15/55 PZH, "C 29/D 23/W 2". Preparation of M 29 antiserum. (Medium 2 37C)  
 62/59 PHLS, "D 23/11". Preparation of T 29 antiserum. M antigen. (Medium 2 37C)

## Type 30

7182 Str 29/59 PHLS, "D 24/46", F.Griffith, "Quinn", NCTC, "8195". Preparation of M 30 antiserum. ATCC, "12362". (Medium 2 37C)

## Type 31

7183 Str 49/58 PHLS, "44273", NCTC, "8225". M antigen. (Medium 2 37C)  
 Str 13/69 RU, "J 137/69/3". M antigen. (Medium 2 37C)  
 9/71 RU, "J 137/69/1". Preparation of M 31 antiserum. (Medium 2 37C)

## Type 32

Str 63/50 RU, "8 334". (Medium 2 37C)  
 19/56 IP - RU, "C 107". M antigen. (Medium 2 37C)

7184 14/69 RU, "C 121/39/7". Preparation of M 32 antiserum. ATCC, "12364". (Medium 2 37C)

## Type 33

7185 Str 32/56 PZH, "C 107/24/W 6". Preparation of M 33 antiserum. ATCC, "12365". (Medium 2 37C)  
 Str 50/58 PHLS, "C 107/24/6". M antigen. (Medium 2 37C)

## Type 34

7186 33/56 PZH, "T 34/49105". Preparation of M 34 antiserum. (Medium 2 37C)  
 Str 65/50 RU, "C 142/82/2". (Medium 2 37C)  
 20/56 IP - RU, "C 141". M antigen. (Medium 2 37C)  
 15/69 RU, "C 142/82/5". (Medium 2 37C)

## Type 36

Str 16/59 PHLS, "C 119/58/1". M antigen. (Medium 2 37C)

16/69 RU, "C 119/58/4". Preparation of M 36 antiserum. (Medium 2 37C)

Type 37  
 Str 22/56 IP -RU, "C 242", NCTC, "8228". M antigen. (Medium 2 37C)  
 7/60 PHLS, "C 242 (8228)".Preparation of M 37 antiserum. (Medium 2 37C)

Type 38  
 Str 68/50 RU, "D 61". (Medium 2 37C)

7189 17/69 RU, "C 94/49/2". Preparation of M 38 antiserum.ATCC,"12370." (Medium 2 37C)

Type 39  
 Str 23/56 IP - RU, "C 95/12 8", NCTC, "8229". M antigen. (Medium 2 37C)

7190 17/59 PHLS, "C 95/12 B/5". Preparation of M 39 antiserum.ATCC,"12371". (Medium 2 37C)

Type 40  
 Str 70/50 RU, "C 143/25/4": M antigen. (Medium 2 37C)

7191 18/69 RU, "C 143/25/8". Preparation of M 40 antiserum.ATCC,"12372". (Medium 2 37C)  
 37C)

Type 41  
 Str 71/50 RU, "C 101/21/2". Preparation of M 41 antiserum. (Medium 2 37C)

7192 24/56 IP - RU, "C 101", ATCC, "12373". M antigen. (Medium 2 37C)

Type 42  
 7193 Str 72/50 RU, "C 113", ATCC, "12374".(Medium 2 37C)  
 Str 19/69 RU, "C 113/55/3". M antigen. (Medium 2 37C)  
 6/78 PZH - RU,"C 113/34/9". Preparation of M 42 antiserum. (Medium 2 37C)

Type 43  
 7194 Str 51/58 PHLS, "C 126", ATCC, "12375". M antigen. (Medium 2 37C)  
 Str 21/70 RU, "C 126/59/3". M antigen. (Medium 2 37C)  
 5/77 RU, "C 126/170/1". (Medium 2 37C)  
 23/89 PHLS, "43-B-363". Preparation of M 43 antiserum. (Medium 2 37C)

Type 44  
 7195 Str 48/50 IC, "A 16/18/3". Preparation of T 44 antiserum. (Medium 2 37C)  
 Str  
 32/58 PHLS, "Henson". (Medium 2 37C)  
 53/58 PHLS, "Henson Rb 18/3-8231". M antigen. (Medium 2 37C)  
 24/89 R.R.Facklam, CDC<sub>1</sub>, "SS 70".Preparation of M 44 antiserum. (Medium 2 37C)

Type 46

7196 Str 1/59 IP, "A 27". Preparation of M 46 antiserum. (Medium 2 37C)  
 str 63/59 PHLS, "C 105/41/2". M antigen. (Medium 2 37C)  
 22/69 RU, "C 105/41/7". M antigen. (Medium 2 37C)

Type 47

7197 38/59 PHLS, "C 744/Rb 4/41", NCTC, "8232".ATCC,"12378". Preparation of T 47 anti  
 serum.(Medium 2 37C)  
 str 34/56 PZH, "T47/44285". (Medium 2 37°C)  
 9/64 RU, "C 744/Rb 4/6/3". Preparation of M 47 antiserum. (Medium 2 37C)

Type 48

Str 10/64 RU, "B 403/48/3". (Medium 2 37C)  
 7198 11/64 A.T.Wilson, Alfred du Pont Institute, Wilmington, USA, „D 140 A“. Preparation  
 of M 48 antiserum. (Medium 2 37C)  
 23/69 RU, "B 403/48/2". M antigen. (Medium 2 37C)

Type 49

7199 1/64 RU - L.W.Wannamaker, "B 737/71/1". Preparation of M 49 antiserum. (Medium  
 2 37C)

str 14/58 IP - L.W.Wannamaker, "DSC 300 Red Lake A 222". (Medium 2 37C)  
 54/58 PHLS - L .W.Wannamaker, "C 300/1". (Medium 2 37C)  
 4/67 PHLS, "10076" -L.W.Wannamaker, "Red Like B 737/34/3", NCTC, "10867".  
 (Medium 2 37C)  
 5/67 PHLS, "R 66/2163". M antigen. (Medium 2 37C)

Type 66

721 Str 5/73 H.C.Dillon, "5505-1S". Preparation of M 66 antiserum. (Medium 2 37C)

Type 67

7216 Str 12/78 A.L.Bisno, University of Tennessee, Memphis, USA,"PSC  
 227 HC".ATCC,"700487". M antigen. (Medium 2 37C)

Type 68

7217 Str 13/78 A.El Kholy, Rheumatic Fever  
 Project, Cairo, Egypt, "Ca 2".ATCC,"700488". (Medium 2 37C)

Type 69

7218 Str 14/78 A.El Kholy,"Ca 3".ATCC,"700489". (Medium 2 37C)

Type 70

7219 Str 15/78 A.El Kholy,"Ca 4".ATCC,"700490". (Medium 2 37C)

Type 71

7220 Str 16/78 A.El Kholy,"Ca 5".ATCC,"700491". (Medium 2 37C)

Type 73

7221 Str 3/86 PHLS, "R/67/239".ATCC,"700495". (Medium 2 37C)

Type 74

7222 Str 25/89 PHLS, "J12/40".ATCC,"700496". (Medium 2 37C)

Type 75

7223 Str 4/86 PHLS, "R 68/3354".ATCC,"700497". (Medium 2 37C)

Type 76

7224 Str 1/87 PHLS, "R72/973".ATCC,"700498". (Medium 2 37C)

Type 77

7225 Str 5/86 PHLS, "R 72/2773".ATCC,"700499". (Medium 2 37C)

Type 78

7226 Str 6/86 PHLS, "R 72/3085".ATCC,"700500". (Medium 2 37C)

Type 79

7227 Str 2/87 PHLS, "R74/2015".ATCC,"700501". (Medium 2 37C)

Type 81

7228 Str 26/89 PHLS, "R78/55". (Medium 2 37C)

Type 50

Str 19/59 PHLS, "B 514/33/3", NCTC, "10868". Highly pathogenic for mouce. M antigen. (Medium 2 37C)

2/61 RU, "B 935". (Medium 2 37C)

11/71 RU, "F 156/83/1". M and R antigens. (Medium 2 37C)

7200 24/69 RU, "B 514/33/5". Preparation of M 50 antiserum. (Medium 2 37C)

Type 51

Str 12/64 G.G.Wiley, Alfred du Pont Institute, Wilmington, USA, "AD 309/60". M antigen. (Medium 2 37C)

7201 12/71 RU, "A 309/31/5". Preparation of M 51 antiserum. (Medium 2 37C)

Type 52

7202 Str 3/68 L.W.Wannamaker "Schoenborn CV-686", E.V.Potter "Trinidad B", RU, "A 871/14/2, NCTC, "10870". Preparation of M 52 antiserum. (Medium 2 37C)

Type 53

Str 4/68 L.W.Wannamaker, "Hanson -CV--832". Preparation of M 53 antiserum. (Medium 2 37C)

7203 7/77 RU, "A 952/94/2". Preparation of M 53 antiserum. (Medium 2 37C)

Type 54

Str 5/68 L.W.Wannamaker, "CV 581 A Kingbird", NCTC, "10872". M antigen. (Medium 2 37C)

7204 13/71 RU, "A 953/81/1". Preparation of M 54 antiserum. (Medium 2 37C)

Type 55

Str 6/68 E.V.Potter, Northwestern University, Chicago, USA. "Trinidad type A or 7s", PHLS, "R 65/4127", NCTC, "10873", CDC<sub>1</sub>, "SS 735". (Medium 2 37C)

5/71 RU, "A 928". M antigen. (Medium 2 37C)

7205 Str 7/78 PHLS, "10873". Preparation of

M 55 antiserum. (Medium 2 37C)

Type 56

7206 Str 10/68 CDC<sub>1</sub>, "SS-791". Preparation of  
M 56 antiserum. (Medium 2 37C)  
Str 8/71 RU, "A 963". M antigen. (Medium 2 37C)  
8/78 PHLS, "100191". M antigen. (Medium 2 37C)  
9/78 PHLS, "10874", "R 70/1484". M antigen. (Medium 2 37C)

Type 57

7207 Str 7/68 PHLS, "R 67/3890 -V. Ramkissoon", NCTC, "10875". Preparation of  
M 57 antiserum. (Medium 2 37C)  
str 15/70 CDC<sub>1</sub>, "SS-798", E.V.Potter, "2015403 RA". (Medium 2 37C)

Type 58

7208 Str 2/71 RU, "D 315/87/1". Preparation of  
M 58 antiserum. (Medium 2 37C)  
str 10/78 CDC<sub>1</sub>, "SS-872", PHLS, "R 67/3884", RU, "D 315", NCTC, "10876". M antigen.  
(Medium 2 37C)

Type 59

str 12/70 CDC<sub>1</sub>, "SS-913", RU, "D 307". M antigen. (Medium 2 37C)  
16/70 CDC<sub>1</sub>, "SS-914". M antigen. (Medium 2 37C)  
7209 11/78 PHLS, "10877". Preparation of  
M 59 antiserum. (Medium 2 37C)

Type 60

7210 3/71 RU, "D 335". Preparation of M 60  
antiserum. (Medium 2 37C)  
str 13/70 CDC<sub>1</sub>, "SS-876", H.C.Dillon, "2797 S". M antigen. (Medium 2 37C)  
17/70 CDC<sub>1</sub>, "SS-B74", H.C.Dillon, "29905". M antigen. (Medium 2 37C)

Type 61

str 14/70 C4C<sub>1</sub>, "SS-875", H.C.Dillon, "2998 T". Preparation of M 61 antiserum. (Medium 2  
37C)  
7211 4/71 RU, "D 336/56/1" . Preparation of  
M 61 antiserum. (Medium 2 37C)

Type 62

7212 Str 2/75 PHLS, "R 68/1914". Preparation of  
M 62 antiserum. (Medium 2 37C)  
str 3/75 PHLS, "R 68/485". (Medium 2 37C)

Type 63

7213 Str 4/75 PHLS, "SF<sub>2</sub>", NCTC, "10881".  
Preparation of M 63 antiserum. (Medium 2 37C)

## Type 65

Str 4/73 H.C.Dillon, "5654-1S". M antigen. (Medium 2 37C)  
 7214 8/77 RU, "D 793/65/1". M antigen. (Medium 2 37C)

Type candidates

Str 4/57 IP, "83264-A 113". (Medium 2 37C) 39/59 PHLS, "83264 C 632/Rb 6/1". Preparation of T antiserum. (Medium 2 37C)  
 39/58 PHLS, "Imp. 19 orig.". Preparation of T antiserum. (Medium 2 37C)  
 51/50 IC, "R 491". (Medium 2 37C)  
 2/64 RU, "London 140/2 op.". (Medium 2 37C)  
 15/71 RU, "London 72/3". (Medium 2 37C)  
 18/71 RU, "A369/63/3". (Medium 2 37C)  
 55/58 PHLS, "Corby 8 6522/PS". (Medium 2 37C)  
 56/58 PHLS, "Angas 6". (Medium 2 37C)  
 57/58 PHLS, "Lily B 6840/PS". (Medium 2 37C)

Streptococcus raffinolactis see Lactococcus raffinolactisStreptococcus rattus Coykendall

6712 Str 10/89 ATCC, "19645". Type strain. (Medium 33 37C)

Enterococcus saccharolyticus Farrow et al.

7229 Str 16/89 ATCC, "43076". Type strain. (Medium 2 37C)

Streptococcus salivarius Andrewes and Horder

6713 Str 64/59 PHLS - NCTC, "8606", ATCC, "27945". (Medium 2 37C)

Streptococcus sanguis White and Niven

7230 Str 65/59 PHLS - NCTC, "7864", ATCC, "10557", CDC<sub>1</sub>, "SS-911". Group H. type II. (Medium 2 37C)

6714 26/69 ATCC, "10556", NCTC, "7863". Group H. type I. Type strain. (Medium 2 37C)  
 Str 29/69 J. Carlsson, "804", NCTC, "10904". Biotype II. (Medium 2 37C)  
 30/69 J. Carlsson, "903". Group H. (Medium 2 37C)  
 7/77 R.R. Facklam, CDC<sub>1</sub>, "SS 1059". Biotype II. (Medium 2 37C)

Streptococcus gordonii

6731 28/69 ATCC, "10558", NCTC, "7865". type I-II. (Medium 2 37C)

Streptococcus sobrinus Coykendall

6715 Str 9/89 ATCC, "33478". Type strain. (Medium 32 37C, 5% CO<sub>2</sub>)

Streptococcus suis Kilpper-Balz and Schleifer

6716 Str 27/89 ATCC, "43765", NCTC, "10234". Group R antigen. Type strain. (Medium 2 37C)

Streptococcus thermophilus Orla-Jensen

6717 Str 28/89 ATCC, "19258". Type strain.



(Medium 33 37C)

Streptococcus uberis Oiernhofer

6721 Str 10/63 PHLS - NCTC, "3858", ATCC, "19436". Type strain. (Medium 2 37C)  
 Str 13/77 V.Kubín, ČSAV, "709". Group E. (Medium 2 37C)

Streptococcus zooepidemicus see Streptococcus equi subsp. zooepidemicusStreptococcus sp.Lancefields group A see Streptococcus pyogenes

. Lancefield š group A'(variant)

Str 15/60 PHLS, "T 27 A/32/2". Preparation of group A antiserum. (Medium 2 37C)  
 1/74 RU, "A 486". M antigen. (Medium 2 37C)  
 2/74 RU, "A 486". Without M antigen. (Medium 2 37C)

Lancefield s group B see Streptococcus agalactiae

Lancefield s group C

Str 1/49 PHLS, "Austin", NCTC, "8546". (Medium 2 37C)  
 Str 25/49 SZÚ, "1359". (Medium 2 37C)  
 26/49 SZÚ, "2380". (Medium 2 37C)  
 45/56 PZH, "H 46 A", ATCC, "12449", NCTC, "7201". Production of proteinase. (Medium 2 37C)  
 12/57 PZH, "B 278". Production of proteinase. (Medium 2 37C)  
 1/61 IP, "C19". Production of proteinase. (Medium 2 37C)  
 14/63 J.Jelínková, IHE, "79949". Control of bacitracin disc test. (Medium 2 37C)  
 7/66 RU, "B 337". R 28 antigen. (Medium 2 37C)  
 7231 Str 45/56 PZH, "H 46 A", ATCC, "12449",  
 NCTC, "7201". Production of proteinase. (medium 2 37C)

Lancefield s group D see genus EnterococcusLancefield s group E see Streptococcus porcinus and Streptococcus uberisLancefield s group F see Streptococcus anginosus

Lancefield s group G

6722 22/58 PHLS, "Valente", NCTC, "9603".  
 Str 31/49 PHLS, "Goodman". (Medium 2 37C)  
 32/49 PHLS, "Harrison". (Medium 2 37C)  
 35/49 PZH, "Price". (Medium 2 37C)  
 90/50 RU, "0166B", ATCC, "12394". (Medium 2 37C)  
 91/50 RU, "F 68 A", ATCC, "12395". (Medium 2 37C)  
 4/58 K.Kalbak, "G 16". Production of hyaluronidase. (Medium 2 37C)  
 15/63 J.Jelínková, IHE, "69055". Control of bacitracin disc test. (Medium 2 37C)  
 5/89 G.Kronvall, University of Lund Hospital, Lund, Sweden, "148". Protein G. (Medium 2 37C)

Lancefield š group H

6723 23/58 PHLS, "Blackburn", NCTC, "10231". Preparation of group H antiserum. (Medium 2 37C)  
 Str 3/50 IC - R.Hare, "Challis", NCTC, "7868". (Medium 2 37C)  
 3/58 IP "H II". (Medium 2 37C)

## Lancefield s group K

6724 Str 42/49 Jelinkova J., "K 3", ATCC, "35196".  
Preparation of group K antiserum. (Medium 2 37C)  
Str 103/50 IC, "Charwoman". (Medium 2 37C)

## Lancefield s group L

6725 Str 93/50 RU, "D 167 A", PHLS, "SHC 16", ATCC, "9932", NCTC, "10238".  
Preparation of group L antiserum. (Medium 2 37C)  
7233 94/50 RU, "D 167 B", ATCC, "9933". (Medium 2 37C)  
3/67 PHLS, "R 66/2047". (Medium 2 37C)  
8/67 PHLS, "10238". (Medium 2 37C)

## Lancefields group M

Str 40/59 PHLS, "SHC 200", NCTC, "10233". (Medium 2 37C) "  
57/59 PHLS, "SHC 285", NCTC, "10235". (Medium 2 37C)  
10/60 K.Skadhaug, StS, "Lindstrm". (Medium 2 37C)  
11/60 K.Skadhaug, "SHC 252". (Medium 2 37C)  
12/60 K.Skadhaug, "B 1 5376". (Medium 2 37C)  
6726 13/60 PHLS, "SHC 256", NCTC, "6400". Preparation of group M antiserum. (Medium 2 37C)

Lancefield's group N see genus Lactococcus

## Lancefield's group O

Str 6/53 PZH - PHLS, "4835". (Medium 2 37C)  
7/53 PZH - PHLS, "5119". (Medium 2 37C)  
7234 1/65 G.G.Wiley, "B357", ATCC, "11843". (Medium 2 37C)  
6727 2/65 G.G.Wiley, "B361", ATCC, "12398". Preparation of group O antiserum. (Medium 2 37C)

Lancefield's group P see Streptococcus porcinusLancefields group Q see Enterococcus avium

## Lancefield's group R

6728 Str 10/59 PHLS, "R". Preparation of group  
R antiserum. (Medium 2 37C)

## Lancefield's group S

6729 Str 11/59 PHLS, "S". Preparation of group  
S antiserum. (Medium 2 37C)

## Lancefield's group T

6730 Str 6/67 C.E.DeMoor, National Institute of Public Health, Utrecht, The Netherlands, "T  
639", NCTC, "10446". Preparation of group T antiserum. (Medium 2 37C)

Lancefield's group U see Streptococcus porcinus

Lancefield's group V see Streptococcus porcinus

Group candidates

Lancefield's group "W"

- Str 6/84 R.D.Shuman, Bacteriological and Mycological Investigation, National Animal Diseases Laboratory, Veterinary Sciences Research Division, Ames, Iowa, USA "A<sub>1</sub>", CDC<sub>1</sub>, "SS 995". (Medium 2 37C)  
Lancefields group "Y"
- Str 7/84 R.D.Shuman, "5916", CDC<sub>1</sub>, "SS 997". (Medium 2 37C)

Lancefield's group "X" see Streptococcus porcinus

Lancefields group "Z" see Streptococcus iniae

Streptomyces albus (Rossi-Doria) Waksman and Henrici

- St 5/55 R.Pakula, PZH. (Medium 23 28C)
- St 6/55 R.Pakula - StS, "11". (Medium 23 28C)
- 6657 8/61 PHLS, "7807". Producer of proteolytic factor used for grouping of streptococci (according to Maxted). (Medium 23 28C)

Streptomyces griseus subsp. griseus (Krainsky) Waksman and Henrici

- St 2/49 R.Vihan, SZÚ, "England". (Medium 23 28C)
- 7/55 R.Pakula, PZH - StS, "15". (Medium 23 28C)
- 6659 3/49 NCTC, "6961", "6961", ATCC,  
From Waksman's original streptomycin-producing strain 3463. (Medium 23 28C)

Streptomyces hygroscopicus (Jensen) Waksman and Henrici

- 6656 St 9/79 ATCC, "21722". Production of amylase. (Medium 23 26C)

Streptomyces olivochromogenus (Waksman) Waksman and Henrici

- 6660 St 10/79 ATCC, "21114". Production of glucose isomerase. (Medium 23 26C)

Tatlockia micdadei see Legionella micdadei

Tatumella ptyseos Hollis et al.

- 6661 Eb 16/83 CDC 9556-78, D.J.Brenner. Sputum. New York (5148) (Medium 24 30C)

Ureaplasma urealyticum Shepard et al.

- T 960 ATCC, "27618". Nongonococcal urethritis. Type strain. (Medium 39, 40 37C)

Veillonella parvula (Veillon and Zuber) Mays et al.

- 5836 Ve 3/80 A.Hudáč, VÚPL. Gingivitis "469/80". (Medium 7 37C, Anaerobic)

Vibrio alginolyticus (Miyamoto et al.) Sakazaki

- V 20/68 R.Sakazaki, National Institute of Health, Tokyo, Japan. Sea fish "6591-61". (Medium 3 37C)
- 53/84 E.Aldová, IHE. Sea water (Bulgaria), "19389". (Medium 3 37C)
- 66/89 J.Đurkovský, OHS, Komárno. Sea water "25915". (Medium 2 37C)
- 67/89 J.Đurkovský. Sea water "25917". (Medium 2 37C)

69/89 A.Budilová,KHS, Ostrava. Sputum "63-26969". (Medium 2 37C)

Vibrio anguillarum Bergeman

v 50/79 E.Aldová, IHE, J.V.Lee, PHLS, Maidstone, England. Sea water (Navplion, Greece)"20712". (Medium 3 30C)

Vibrio cholerae Pacini

2/33 SZÚ, "Jenkins". (Medium 1 37C) 3/33 SZÚ, "England". (Medium 1 37C)

v 7/47 IC, "8". (Medium 1 37C) 8/47 IC, "K". (Medium 1 37C) 9/47 IC, K<sub>2</sub>". (Medium 1 37C)

10/47 IC,"Rascacti". (Medium 1 37C)

24/71 J.Gallut, "569 BR". For anti-R antibody preparation. (Medium 2 37C)

Biotype eltor

v 12/47 IC, "46". (Medium 1,37C)

Type Hiko.jima

v 4/33 SZÚ. (Medium 1 37C)

Type Inaba

v 6/33 SZÚ. (Medium 1 37C)

30/71 E.Aldová, IHE - L.Lapeyssonnie, Institut Pharo, Marseille, France. Jordan (1970) "14518". Biotype eltor. (Medium 1 37C)

Type Ogawa

v 5/33 SZÚ. (Medium 1 37C)

26/71 K.P.Carpenter, England (1970) "14597". Biotype eltor. (Medium 1 37C)

27/71 K.P.Carpenter. Sierra Leone (1970) "14598". Biotype eltor. (Medium 1 37C)

28/71 R.Sakazaki, National Institute of Health, Tokyo, Japan. Lebanon (1970) "14600". Biotype eltor. (Medium 1 37C)

29/71 J.Bohuš, OHS, Michalovce, ČSSR. ČSSR (1970) "14638". (Medium 1 37C)

31/71 E.Aldová, IHE. Guinea (1970) "14519". Biotype eltor. (Medium 1 37C)

32/71 J.Gallut, IP. Lybia (1970) "14512". Biotype eltor. (Medium 1 37C)

33/71 E.Aldová. Liberia (1970) "14643". Biotype eltor. (Medium 1 37C)

34/71 J.Gallut. Ghana (1970) "14707". Biotype eltor. (Medium 1 37C)

Vibrio cholerae non-01 (NAG-vibrio)

v 16/66 KHS, Bratislava. Faeces "10125". (Medium 1 37C)

21/69 D.Barua, WHO Geneva. Cholera-like *epidemic*, Sudan, "13026-No96". (Medium 2 37C)

22/69 D.Barua, "13030". (Medium 2 37C)

23/69 D.Barua, "13031/1". (Medium 2 37C)

Vibrio costicola Smith

v 47/70 CCM, "2811". (Medium 3 37C)

Vibrio damsela see Listonella damsela

Vibrio fischeri(Beijerinck) Lehmann and Neumann

v 58/87 I.Janda, ČSAV-University of Cardiff, England, "MJ-1". (Medium 36 22C)

Vibrio fluvialis Lee et al.

v 51/79 V.Muič, Institute of Public Health, Zagreb, Yugoslavia, J.V.Lee, PHLS, Maidstone, England. (Medium 3 37C)

52/79 E.Aldová, IHE, J.V.Lee. Sea water (Navplion, Greece). (Medium 3 37C)

59/87 E.Aldová - V.Muic. Water "19484 I". (Medium 1 37C)  
 60/87 E.Aldová. Sea water "20709". (Medium 1 37C)

Vibrio harveyi (Johnson and Johnson) Baumann et al.

V 48/79 E.Aldová, IHE, J.V.Lee, PHLS, Maidstone, England. Sea water (Bečići, Yugoslavia).  
 (Medium 3 37C)  
 49/79 E.Aldová, J.V.Lee. Sea water (Delfi, Greece). (Medium 3 37C)

Vibrio cholerae Pacini

6534 24/71 J.Gallut, IP, "4Z".ATCC,"11623". For RDE preparation (in myxoviruses).  
 Medium 2 37C)  
 5179 25/71 J.Gallut, "569 BR". For anti-R antibody preparation. (Medium 2 37C)

Type Inaba

6688 70/89 E.Aldová. Biotype classical, India (1970) "14718". Media testing.  
 (Medium 1 37C)

Type Ogawa

6689 71/89 E.Aldová. Biotype eltor, IVORY COAST (1971) "14802". Media testing.  
 (Medium 1 37C)

Grimontia hollisae Hickman et al.

6537 V 57/87 D.J.Brenner, CDCi, ATCC, "33564".  
 Human faeces "75-80". Type strain. (Medium 3 30C)

Vibrio metschnikovii Gamaleia

64/88 E.Aldová. Human faeces "281 72". (Medium 2 37C)  
 V 35/78 V.Muic, Institute of Public Health, Zagreb, Yugoslavia. (Medium 2 37C)  
 61/87 E.Aldová, IHE. Water "27344". (Medium 1 37C)  
 62/87 E.Aldová. Cheese "25291". (Medium 2 37C)  
 63/87 E.Aldová. Water "19483". (Medium 1 37C)  
 65/88 E.Aldová. Water "27419". (Medium 2 37C)

Vibrio parahaemolyticus (Fujino et al.)

Sakazaki et al.

Serotype 01:K32

6024 V 41/79 E.Aldová, IHE. Sea water (Burgas, Bulgaria) "19458". (Medium 1 37C)

Serotype 02:K49

7236 V 42/79 E.Aldová. Sea water (Varna, Bulgaria) "19366". (Medium 1 37C)

Serotype 02:K28

7237 V 43/79 E.Aldová. Sea water (Obzor, Bulgaria) "21359". (Medium 1 37C)

Serotype 03:K5

7238	V 36/79	E.Aldová. Sea water (Burgas, Bulgaria) "19518". (Medium 3 37C)
Serotype 03:K33		
6541	V 18/68	R.Sakazaki, National Institute of Health, Tokyo, Japan, "K 33". (Medium 3 37C)
Serotype 03:K48		
7239	V 37/79	E.Aldová. Sea water (Burgas, Bulgaria) "20745". (Medium 3 37C)
Serotype 04:K12		
6542	V 44/79	E.Aldová. Human faeces (Monrovia, Liberia) "14655". (Medium 1 37C)
Serotype 05:K17		
6554	V 45/79	E.Aldová - Z.Zakhariev, Public Health Laboratory, Burgas, Bulgaria. Pus (otitis media) "19365". (Medium 1 37C)
Serotype 06:K49		
6540	V 19/68	R.Sakazaki. Sea fish "6443-61". (Medium 3 37C)
Serotype 06:K57		
7240	V 38/79	E.Aldová. Sea water (Zlatni Piasatsi, Bulgaria) "19342". (Medium 3 37C)
Serotype 07:K19		
7241	V 46/79	E.Aldová. Sea water (Obzor, Bulgaria) "20964". (Medium 1 37C)
Serotype 010:K19		
7242	V 39/79	E.Aldová. Brackish water (Monrovia, Liberia) "14659". (Medium 3 37C)
Serotype 011:K22		
7243	V 40/79	E.Aldová. Sea water (Burgas, Bulgaria) "19362". (Medium 3 37C)

Vibrio vulnificus (Reichel et al.) Farmer

5103	V 54/87	V.Muič, Institute of Public Health, Zagreb, Yugoslavia - O.Hollis, CDC <sub>1</sub> , "A8694", ATCC, "29307". Blood. (Medium 2 37C)
6543	55/87	V.Muič - D.Hollis, CDC <sub>1</sub> , "A1402", ATCC, "29306". Ulcer of cornea. (Medium 2 37C)
	68/89	V. Muič, „V 61-86“. (Medium 2 30C)

Xanthomonas campestris (Pammel) Dowson

6662	X 1/79	CCM, "1069" - ATCC, "13951". Colonial variation and polysaccharide production. (Medium 25 26C)
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Xanthomonas maltophilia see Pseudomonas maltophilia

Yersinia aldovae Bercovier et al.

5543	67/90	ATCC, "35236", COC, "669-83", IP, "6005", E.Aldová, IHE, drinking water "19955". Type strain. (Medium 1 30C)
	Y 49/84	E.Aldová, IHE - IP, "7089". Water "25525". Serogroup 17. (Medium 1 22C)
	50/84	E.Aldová - IP, "8631". Water "25526". (Medium 2 22C)
	58/88	E.Aldová. Drinking water "20174". (Medium 1 30C)

59/88 E.Aldová. Swimming pool "22408". (Medium 1 3DC)  
 60/88 E.Aldová. Drinking water "22412". (Medium 1 30C)  
 Y 61/88 E.Aldová. Drinking water "19996". (Medium 1 30C)

Yersinia bercovieri wauters et al.

6230 Y 65/90 G.Wauters, Université Catholique, Leuven, Belgium (*Yersinia enterocolitica* biogroup 3B) "WAIP 208", ATCC, "43970", COC, "2475-87". Human stool. Type strain. (Medium 1 37C)

Yersinia enterocolitica (Schleifstein and Coleman) Frederiksen

6220 Y 1/64 E.Aldová, K.Lázničková, ÚEM. Faeces "8039". (Medium 1 37C)  
 7251 2/68 E.Aldová, K.Lázničková. Faeces "12372". (Medium 1 37C)  
 7252 3/68 E.Aldová, K.Lázničková. Faeces "12374". (Medium 1 37C)  
 4/69 B.Niléhn, Lunds Universitat, Malmö, Sweden, "Winblad 15600". (Medium 1 37C)  
 Serogroup 0:1,2a,3  
 Y 5/71 J.Vandepitte, Université Catholique, Leuven, Belgium, IP, "64". (Medium 1 37C)  
 Serogroup 0:2a,2b,3  
 Y 6/71 J.Vandepitte, IP, "178". (Medium 1 37C)  
 Serogroup 0:3  
 Y 7/71 J.Vandepitte, IP, "134". (Medium 1 37C)  
 Serogroup 0:4  
 Y 8/71 J.Vandepitte, IP, "96". (Medium 1 37C)  
 Serogroup 0:4,(32)  
 Y 42/73 G.Wauters, Université Catholique, Leuven, Belgium, "Ye 96". (Medium 1 37C)  
 Serogroup 0:4,32  
 Y 43/73 G.Wauters, "Ye 1495". (Medium 1 37C)  
 Serogroup 0:4,33  
 Y 44/73 G.Wauters, "Ye 1473". (Medium 1 37C)  
 Serogroup 0:5  
 Y 9/71 J.Vandepitte, IP, "123". (Medium 1 37C)  
 Serogroup 0:5,27  
 Y 10/71 J.Vandepitte, IP, "885". (Medium 1 37C)  
 Serogroup 0:6  
 Y 11/71 J.Vandepitte, IP, "102". (Medium 1 37C)  
 Serogroup 0:6,30  
 Y 41/73 G.Wauters, "Ye Rakovský 71". (Medium 1 37C)  
 Serogroup 0:6,31  
 Y 26/72 G.Wauters, IP, "1477". (Medium 1 37C)  
 Serogroup 0:7,8  
 Y 12/71 J.Vandepitte, IP, "106". (Medium 1 37C)  
 38/73 G.Wauters, "Ye 104". (Medium 1 37C)  
 Serogroup 0:8  
 Y 13/71 J.Vandepitte, "abbany 5819". (Medium 1 37C)  
 Serogroup 0:8,19  
 Y 27/72 G.Wauters, IP, "842". (Medium 1 37C)

Serogroup 0:9  
 Y 14/71 J.Vandepitte, IP,"383". (Medium 1 37C)  
 36/72 G.Wauters, "My 79b". (Medium 1 37C)

Serogroup 0:10  
 Y 15/71 J.Vandepitte, IP, "500". (Medium 1 37C)

Serogroup 0:10,K:1  
 Y 16/71 J.Vandepitte, IP, "551". (Medium 1 37C)

Serogroup 0:11,23  
 Y 17/71 J.Vandepitte, IP, "105". (Medium 1 37C)

Serogroup 0:11,24  
 Y 18/71 J.Vandepitte, IP, "841". (Medium 1 37C)

Serogroup 0:12,25  
 Y 19/71 J.Vandepitte, IP, "490". (Medium 1 37C)

Serogroup 0:12,26  
 Y 20/71 J.Vandepitte, IP, "103". (Medium 1 37C)

Serogroup 0:13,7  
 Y 21/71 J.Vandepitte, IP, "553". (Medium 1 37C)  
 28/72 G.Wauters, IP, "553". (Medium 1 37C)

Serogroup 0:14  
 Y 22/71 J.Vandepitte, IP,"480". (Medium 1 37C)

Serogroup 0:15  
 Y 23/72 G.Wauters, IP, "614". (Medium 1 37C)  
 39/73 G.Wauters, "Ye 614". (Medium 1 37C)

Serogroup 0:16  
 Y 24/71 J.Vandepitte, IP, "867". (Medium 1 37C)  
 37/73 G.Wauters, IP, "1475". (Medium 1 20C)

Serogroup 0:16,29  
 Y 40/73 G.Wauters, "Ye 867". (Medium 1 37C)

Serogroup 0:17  
 Y 25/71 J.Vandepitte, IP, "955". (Medium 1 37C)

Serogroup 0:18  
 Y 30/72 G.Wauters, IP, "846". (Medium 1 37C)

Serogroup 0:20  
 Y 31/72 G.Wauters, IP, "845". (Medium 1 37C)

Serogroup 0:21  
 Y 32/72 G.Wauters,IP, "1110". (Medium 1 37C)

Serogroup 0:22  
 Y 33/72 G.Wauters, IP,"1367". (Medium 1 37C)



## Serogroup 0:28

Y 34/72 G.Wauters, IP,"1474". (Medium 1 37C)

## Serogroup 0:34

Y 35/72 G.Wauters, IP, "1501". (Medium 1 37C)

Yersinia frederiksenii Ursing et al.

5292 Y 45/83 CCM, "3555" - ATCC, "33641". Sewage. Type strain. (Medium 1 37C)  
 Y 52/87 E.Aldová, DIE, "27650", G.V.Juščenko, CNIIE, "1535". (Medium 1 37C)  
 53/87 E.Aldová. Pork tongue "27642". (Medium 1 37C)

Yersinia intermedia Brenner et al.

6256 Y 46/83 CCM, "3558" - ATCC, "29909". Human urine. Type strain. (Medium 1 37C)  
 Y 55/87 E.Aldová, IHE - OHS, Spišská Nová Ves. Public water supply "25992". (Medium 1 37C)  
 56/87 E.Aldová - OHS, Považská Bystrica. Drinking water "27822". (Medium 1 37C)

Yersinia kristensenii Bercovier et al.

47/83 CCM, „3361“. (Medium 1 37C)  
 51/87 E.Aldová, IHE - KHS, České Budějovice. Water "26503". (Medium 1 37C)  
 54/87 E.Aldová. Pork tongue "26678". (Medium 1 37C)  
 6219 63/90 ATCC, "33638". Human urine. Type strain. (Medium 1 30C)

Yersinia mollaretii Wauters et al.

6225 Y 66/90 G.Wauters, Université Catholique, Leuven, Belgium (Yersinia enterocolitica biogroup 3A)  
 "WAIP 204", ATCC, "43969", COC, "2465-87". Soil. Type strain. (Medium 1 37C)

Yersinia pseudotuberculosis (Pfeiffer) Smith and Thal

Papt 1/51 E.Aldová, SZÚ (Pasteurella pseudotuberculosis). Rabbit "1030". (Medium 1 37C)  
 6231 Papt22/90 HNCNB, "97001" - ATCC, "29833", NCTC, "10275". Turkey. Type strain. (Medium 11 37C)  
 Group I Type A Schutze's group  
 Papt 3/58 J.Zahradnický, LF KU - W. Knapp, HI, Tiibingen, FRG, "1". (Medium 1 37C)

## Group I Type 2 I

Papt 4/58 W.Knapp, "2". (Medium 1 37C)

## Group II Type 16 II

Papt 5/58 W.Knapp, "16". (Medium 1 37C) Group II Type 1779 II  
 Papt 6/58 W.Knapp, "1779". (Medium 1 37C) Group III  
 Papt 7/58 W.Knapp, "21". (Medium 1 37C) Group IV  
 Papt 8/58 W.Knapp, "32". (Medium 1 37C) Group V  
 Papt 9/58 W.Knapp, "25". (Medium 1 37C) Group I Type A  
 Papt 10/72 Mollaret, IP,"BMV 156". (Medium 1 37C)  
 11/72 Mollaret, "BMV 158". (Medium 1 37C)  
 15/72 OKI, "97006" - NCTC, "1103". (Medium 1 37C)  
 7244 15/72 OKI, "97006" - NCTC, "1103". (Medium 1 37C)

## Group I Type B

- Papt 12/72 Mollaret, "BMV 159". (Medium 1 37C)
- 7245 16/72 OKI, "97007 - NCTC, "824", ATCC, "4284". (Medium 1 37C)
- Group II Type A
- Papt 13/72 Mollaret, "BMV 155". (Medium 1 37C)
- 7246 17/72 OKI, "97008" - NCTC, "2477". Turkey. (Medium 1 37C)
- Group II Type B
- Papt 14/72 Mollaret, "BMV 160". (Medium 1 37C)
- 7247 18/72 OKI, "97009 - NCTC, "1779", ATCC, "6905". Spleen of rabbit. (Medium 1 37C)
- Group III45/66
- 7248 Papt 19/72 OKI, "97003" - NCTC, "10278" - - E.Thal "43/III". Mink. (Medium 1 37C)
- Group IV
- 7249 Papt 20/72 OKI, "97004" - NCTC, "8580" - E. Thal "32". Hare. (Medium 1 37C)
- Group V
- 7250 Papt 21/72 OKI, "97005" - NCTC, "8579" - E. Thal "25". Hare. (Medium 1 37C)
- Yersinia rohdei Aleksič et al.
- 6235 Y 57/88 CDC, "3022-85", ATCC, "43380". Dog faeces "H 271-36/78". Type strain. (Medium 1 30C)
- Yersinia ruckeri Ewing et al.
- Y 48/83 CCM, "6094". (Medium 1 30C)
- 62/88 E.Aldová, IHE. Dead trout "28630". (Medium 2 30C)
- 64/90 ATCC, "29473". Rainbow trout with red mouth disease. Type strain. (Medium 1 30C)
- Brettanomyces bruxellensis Kufferath et van Laer
- 11/44 SIA, "C 26-an H 85"
- Candida albicans (Robin) Berkhout 45/66 VÚA - BÚ. Assay of matromycin
- 45/66 VÚA - BÚ. Assay of matromycin
- 5317 49/64 F.Arnou, Squibb Institute for Medical Research, New Brunswick, ISSA, "SC 1539", CBS, Bearn, "35 H". Disinfectant test-ing. Media testing.
- 5657 55/79 ATCC, "2091". Sterility testing.
- Candida arborea (nomen nudum)
- 19/49 R.Vihan, SZÚ, "Germany"
- 20/49 R.Vihan, "Germany"
- Candida catenulata Diddens and Lodder
- 44/53 A.Kocková. Chemický ústav SAV (Institute of Chemistry), Bratislava, "C 104"
- Candida humicola (Daszewska) Diddens et Lodder

- 38/53 A.Kocková, Chemický ústav SAV (Institute of Chemistry), Bratislava, "C 105"
- Candida krusei (Castellani) Berkhout  
40/53 A.Kocková, Chemický ústav SAV (Institute of Chemistry), Bratislava, "C 114"
- Candida macedoniensis Castellani et Chalmers) Berkhout  
5/44 SIA, "C 21-an H 79"
- Candida melinii Diddens and Lodder  
6/44 SIA, "C 23-an H 80"
- Candida monosa (Kluyver) Diddens et Lodder  
7/44 SIA, "C 25-an H 82"
- Candida parapsilosis (Ashford) Langeron et Talice  
8/44 SIA, "C 18-an H 75"  
43/53 A.Kocková, Chemický ústav SAV (Institute of Chemistry), Bratislava, "C 28"
- Candida peliculosa Redaelii  
9/44 SIA, "C 24-an H 83"
- Candida pseudotropicalis (Castellani) Basgal  
42/53 ÚEM, "Varuchová"
- Candida reukauffii (Gri.iss) Diddens and Lodder  
26/49 R.Vihan, SZÚ
- Candida tropicalis (Castellani) Berkhout  
39/53 A.Kocková, Chemický ústav SAV (Institute of Chemistry), Bratislava, "C 102"  
47/64 A.Dietz, Analytical Microbiology, Research Section, The Upjohn Company, Kalamazoo, USA, J.C.Sylvester, Abbott Laboratories, North Chicago, USA, "AbUC 1077"
- Candida utilis (Henneberg), Lodder, Kreger-Van Rij  
30/49 "England" (*Torula utilis*)  
31/49 "Germany" (*Torula utilis major*)
- Candida zeylanoides (Castellani) Langeron et Guerra  
10/44 SIA, "C 22-an H 81"
- Kloeckera apiculata (Reess emend. Klocker) Janke  
6627 50/65 VÚA. Assay of fungicidin
- Neurospora crassa Shear et Dodge  
6654 56/83 V.Kusák, ČSAV (Medium 28 20C)
- Rhodospodium toruloides Banno  
6639 28/49 R.Vihan, SZÚ (*Rhodotorula gracilis*)  
6647 48/64 A.Kocková, Chemický ústav SAV (Institute of Chemistry), Bratislava "20-8-1" (*Rhodotorula gracilis*)
- Saccharomyces cerevisiae Hansen  
6636 13/44 SIA  
14/44 SIA  
6631 46/58 VÚA, "Squibb 1600". Media testing  
6649 51/65 VÚA - ATCC, "9763". Assay of candididin, amphotericin B and nystatin. Produces arginase  
52/67 National Collection of Trast Cultures, Redhill, „NCYC 87“  
53/67 ATCC, „2601“. Cylinder-plate assay of nystatin in pharmaceutical preparations

54/77 ATCC, „7752“. Essay of pyridoxal, pyridoxamine and pyridoxine. Produces S-adenosylmethionine synthetase

Saccharomycopsis lipolytica (Wickerham et al.) Yarrow

4/44 SIA, "C20-an H 47" (Candida lipolytica)

Saccharomyces uvarum Beijerinck

6646 57/87 J.Černá, VÚPP - ATCC, "9080" (Saccharomyces carlsbergensis). Diploid and heterothallic. Assay of pantothenic acid, inositol, pyridoxine, pyridoxal and pyridoxamine. Assay of vitamin B<sub>6</sub> in food extracts. Maltose fermentation. Produces proteinase B inhibitor IB3; carries 2 micron DNA plastid

"Torula lipofera"

29/49 "England"

"Torula type Holzmiinden"

32/49 "Germany", Yeast I

33/49 "Germany", Yeast I

"Torula utilis"

30/49 SZÚ. Media testing.