

TAXONOMIC ANNOUNCEMENT

# Proposed new bacterial taxa and proposed changes of bacterial names published during 1998 and considered to be of interest to medical or veterinary bacteriology

WILHELM FREDERIKSEN, JOHN MAGEE\* and JAN URSING†

Department of Clinical Microbiology, Statens Seruminstitut, DK 2300 Copenhagen, Denmark, \*Department of Medical Microbiology and Public Health Laboratory, University Hospital of Wales, Cardiff CF14 4XW and †Department of Medical Microbiology, Lund University, Malmö University Hospital, S-20502 Malmö, Sweden

## A list of names of bacteria published or validated in 1998 is presented.

In continuation of our practice of 1994–1997 [1], we present the 1998 list of new names of bacteria considered to be of interest to medical and veterinary bacteriology. The following 45 bacterial names (Table 1) were published in 1998 in articles in the *International Journal of Systematic Bacteriology* (IJSB) (i.e., validly published) or published elsewhere and included in 1998 in the validation lists of IJSB (i.e., validated). The criteria for selection of names are as previously: isolation from man or warm-blooded animals with few exceptions.

A number of name corrections was made in 1998. Readers are encouraged to consult the following articles:

1. *IJSB* 48: 1073–1075, Euzéby: Taxonomic note: necessary correction of specific and subspecific epithets according to Rules 12c and 13b of the International Code of Nomenclature of Bacteria (1990 Revision).
2. *IJSB* 48: 739–747, Takeuchi and Hatano proposed the unification of the genera *Microbacterium* and *Aureobacterium* with the consequence that *Aureobacterium* species could now be considered to belong in an emended genus *Microbacterium*.

Among 125 new species or subspecies proposed in the *IJSB* in 1998 (i.e., validly published), 54 (43%) were based on only one strain; 29 new genera were proposed of which seven were based on only one strain. Among

24 ‘medical’ new species, only four were based on a single strain.

## References

1. Frederiksen W, Magee J, Ursing J. Proposed new bacterial taxa and proposed changes of bacterial names published during 1997 and considered to be of interest to medical or veterinary bacteriology. *J Med Microbiol* 1999; 48: 113–116.

## Notes to the list

In most cases the names are new names of new species (spec. nov.), but some are new subspecies (subsp. nov.), new combinations (comb. nov.), or new genera (gen. nov.).

**Type** means **Type species** of a genus or **Type strain** of a species/subspecies.

Abbreviations used: *IJSB*, *International Journal of Systematic Bacteriology*; *ATCC*, *American Type Culture Collection*; *NCTC*, *National Collection of Type Cultures*; *JCM*, *Japan Collection of Microorganisms*; *CCUG*, *Culture Collection University Göteborg*; *CIP*, *Collection Institut Pasteur*; *CECT*, *Spanish Type Culture Collection*; *DSM*, *Deutsche Sammlung von Mikroorganismen*; *IFO*, *Institute for Fermentation Osaka*; *LMG*, *Laboratorium Microbiologie Gent Culture Collection*.

Table 1. The 1998 list of names of new bacteria of medical or veterinary interest

Name	Valid synonym or other designation	Source of isolation/associated with	Number of strains studied	Reference and authors	Type strain
<i>Achromobacter piechaudii</i> comb. nov.	<i>Alcaligenes piechaudii</i>			Microbiol Immunol 1998; 42: 429–438.	ATCC 43552
<i>Achromobacter ruhlandii</i> comb. nov.	<i>Alcaligenes ruhlandii</i>			Yabuuchi <i>et al.</i>	ATCC 15749
<i>Achromobacter xylosoxidans</i> subsp. <i>denitrificans</i> comb. nov.	<i>Alcaligenes denitrificans</i>			Yabuuchi <i>et al.</i>	ATCC 15173
<i>Achromobacter xylosoxidans</i> subsp. <i>xylosoxidans</i>	Rule 46			Yabuuchi <i>et al.</i>	ATCC 27061
<i>Actinobacillus scotiae</i>		Porpoises	3	IJSB 1998; 48: 929–933. Foster <i>et al.</i>	NCTC 12922
<i>Arthrobacter creatinolyticus</i>		Human urine	3	IJSB 1998; 48: 423–429. Hou <i>et al.</i>	JCM 10102
<i>Aureobacterium resistens</i>		Human clinical material		FEMS Microbiol Lett 1998; 158: 89–93. Funke <i>et al.</i>	CCUG 38312
<i>Brachyspira alvinipulli</i>	( <i>Serpulina alvinipulli</i> )	Chicken intestinal disease		IJSB 1998; 48: 669–676. Stanton <i>et al.</i>	ATCC 51933
<i>Brachyspira hyodysenteriae</i> comb. nov.	<i>Serpulina hyodysenteriae</i>			Microbiol Immunol 1997; 41: 445–452. Ochiai <i>et al.</i>	ATCC 27164
<i>Brachyspira innocens</i> comb. nov.	<i>Serpulina innocens</i>			Microbiol Immunol 1997; 41: 445–452. Ochiai <i>et al.</i>	ATCC 29796
<i>Brachyspira pilosicoli</i> comb. nov.	<i>Serpulina pilosicoli</i>			Microbiol Immunol 1997; 41: 445–452. Ochiai <i>et al.</i>	ATCC 51139
<i>Brachyspira</i> pro synon.	<i>Serpulina</i>			Microbiol Immunol 1997; 41: 445–452. Ochiai <i>et al.</i>	<i>Brachyspira aalborgi</i>
<i>Burkholderia thailandensis</i>	<i>B. pseudomallei</i> -like	Rice field soil in Thailand	1	IJSB 1998; 48: 317–320. Brett <i>et al.</i>	ATCC 700388
<i>Corynebacterium camporealensis</i>		Sheep mastitis	4	IJSB 1998; 48: 463–468. Fernández-Garayzabal <i>et al.</i>	CECT 4897
<i>Corynebacterium confusum</i>		Blood and other human clinical specimens	3	IJSB 1998; 48: 1291–1296. Funke <i>et al.</i>	CCUG 38267
<i>Corynebacterium falsenii</i>		Human body fluids	4	IJSB 1998; 48: 69–74. Sjöden <i>et al.</i>	CCUG 33651
<i>Corynebacterium kroppenstedtii</i>		Human sputum	1	IJSB 1998; 48: 1449–1454. Collins <i>et al.</i>	CCUG 35717
<i>Corynebacterium phocae</i>		Seal nasal cavity	4	IJSB 1998; 48: 601–604. Pascual <i>et al.</i>	CCUG 38205
<i>Corynebacterium riegelii</i>		Human urinary tract infection	4	J Clin Microbiol 1998; 36: 624–627. Funke <i>et al.</i>	CIP 105310
<i>Corynebacterium thomssenii</i>		Human pleural fluid	1	IJSB 1998; 48: 489–494. Zimmermann <i>et al.</i>	DSM 44276
<i>Enterococcus asiini</i>		Donkey caecum	16	IJSB 1998; 48: 383–387. de Vaux <i>et al.</i>	DSM 11492
<i>Facklamia ignava</i>		Human blood	2	J Clin Microbiol 1998; 36: 2146–2148. Collins <i>et al.</i>	CCUG 37419

<i>Gemella берgeri</i>	Human clinical specimens	6	J Clin Microbiol 1998; 36: 1290–1293. Collins <i>et al.</i>	CCUG 37817
<i>Leptospira jainei</i>	Pig genitourinary tract	5	IJSB 1998; 48: 851–858. Perolat <i>et al.</i>	BUT 6
<i>Macrococcus bovicus</i>	Bovine and equine skin	10	IJSB 1998; 48: 859–877. Kloos <i>et al.</i>	ATCC 51825
<i>Macrococcus caseolyticus</i>	Equine skin	10	IJSB 1998; 48: 859–877. Kloos <i>et al.</i>	ATCC 51828
<i>Macrococcus caseolyticus</i> comb. nov.				ATCC 13548
<i>Macrococcus equiperacicus</i>	Equine skin	22	IJSB 1998; 48: 859–877. Kloos <i>et al.</i>	ATCC 51831
<i>Macrococcus gen. nov.</i>			IJSB 1998; 48: 859–877. Kloos <i>et al.</i>	<i>Macrococcus equiperacicus</i>
<i>Microbacterium hominis</i>	Lung aspirate	1	IJSB 1998; 48: 973–982. Takeuchi and Hatano	IFO 15708
<i>Mycobacterium bohemicum</i>	Human sputum	1	IJSB 1998; 48: 1349–1355. Reischl <i>et al.</i>	DSM 44277
<i>Mycobacterium heidelbergense</i>	Human cervical lymphadenitis,	1	J Clin Microbiol 1997; 35: 3203–3209. Haas <i>et al.</i>	ATCC 51253
<i>Ochrobactrum intermedium</i>	human blood, soil	2	IJSB 1998; 48: 759–768. Velasco <i>et al.</i>	NCTC 12171
<i>Pelistega gen. nov.</i>			IJSB 1998; 48: 431–440. Vandamme <i>et al.</i>	<i>Pelistega europaea</i>
<i>Pelistega europaea</i>	Pigeons respiratory tract	24	IJSB 1998; 48: 431–440. Vandamme <i>et al.</i>	LMG 10982
<i>Prevotella pallens</i>	Human oral cavity	3	IJSB 1998; 48: 47–51. Könönen <i>et al.</i>	NCTC 13042
<i>Rickettsia honei</i>	Human blood	several	IJSB 1998; 48: 1399–1404. Stenos <i>et al.</i>	ATCC VR-1472
<i>Rickettsia slovaca</i>	Ticks	2	IJSB 1998; 48: 1455–1462. Sekeyová <i>et al.</i>	Strain B
<i>Roseomonas cervicalis</i>	Various human clinical material	7	J Clin Microbiol 1993; 31: 3275–3283. Rihs <i>et al.</i>	ATCC 49957
<i>Roseomonas fauriae</i>	Human blood and other material	5	J Clin Microbiol 1993; 31: 3275–3283. Rihs <i>et al.</i>	ATCC 49958
<i>Roseomonas gen. nov.</i>			J Clin Microbiol 1993; 31: 3275–3283. Rihs <i>et al.</i>	<i>Roseomonas gilardii</i>
<i>Roseomonas gilardii</i>	Human blood and other material	23	J Clin Microbiol 1993; 31: 3275–3283. Rihs <i>et al.</i>	ATCC 49956
<i>Shewanella baltica</i>	Baltic Sea water	4/34	IJSB 1998; 48: 179–186. Ziemke <i>et al.</i>	NCTC 10735
<i>Shewanella putrefaciens</i>				
Owens gr II				
<i>Staphylococcus hominis</i> subsp. <i>hominis</i> Rule 46	Human blood and other specimens	>10	IJSB 1998; 48: 799–812. Kloos <i>et al.</i>	ATCC 27844
<i>Staphylococcus hominis</i> subsp. <i>novobiosepticus</i>			IJSB 1998; 48: 799–812. Kloos <i>et al.</i>	ATCC 700236
<i>Streptococcus infantis</i>	Human pharynx and tooth surface	5	IJSB 1998; 48: 921–927. Kawamura <i>et al.</i>	JCM 10157
<i>Streptococcus peroris</i>	Human pharynx and tooth surface	3	IJSB 1998; 48: 921–927. Kawamura <i>et al.</i>	JCM 10158