

Literature List for Applied Biosystems MicroSeq[®] System

Fontana C, Favaro M, Pelliccioni M, Pistoia ES, Favalli C. Use of the MicroSeq 500 16S rRNA gene-based sequencing for identification of bacterial isolates that commercial automated systems failed to identify correctly. *J Clin Microbiol.* 2005 Feb; 43(2):615-9. (MicroSeq[®] 500 Kit, MicroSeq[®] Software, ABI PRISM[®] 310 instrument)*

Devulder G, Pérouse de Montclos M., Flandrois JP. A multigene approach to phylogenetic analysis using the genus *Mycobacterium* as a model. *Int J Syst Evol Microbiol.* 2005 Jan; 55 (Pt 1):293-302

Clarridge JE 3rd. Impact of 16S rRNA gene sequence analysis for identification of bacteria on clinical microbiology and infectious diseases. *Clin Microbiol Rev.* 2004 Oct; 17(4):840-62 (Review)

Turenne CY, Cook VJ, Burdz TV, Pauls RJ, Thibert L, Wolfe JN, Kabani A. *Mycobacterium parascrofulaceum* sp. nov., novel slowly growing, scotochromogenic clinical isolates related to *Mycobacterium simiae*. *Int J Syst Evol Microbiol.* 2004 Sep; 54(Pt 5):1543-51

Fanti F, Tortoli E, Hall L, Roberts GD, Kroppenstedt RM., Dodi I, Conti S, Polonelli L, Chezzi C. *Mycobacterium parmense* sp. nov. *Int J Syst Evol Microbiol.* 2004 Jul; 54 (Pt 4): 1123-7.

Chern LL, Stackebrandt E, Lee SF, Lee FL, Chen JK, Fu HM. *Chitinibacter tainanensis* gen. nov., sp. nov., a chitin-degrading aerobe from soil in Taiwan. *Int J Syst Evol Microbiol.* 2004 Jul; 54 (Pt 4):1387-91.

Rozynek P, Gilges S, Bruning T, Wilhelm M. Quality test of the MicroSeq D2 LSU Fungal Sequencing Kit for the identification of fungi. *Int J Hyg Environ Health.* 2004 Jul; 207(3):297-9. (MicroSeq[®] D2 Kit, MicroSeq[®] software, ABI PRISM[®] 3100 instrument)*

Tokajian S, Hashwa F. Phenotypic and genotypic identification of *Aeromonas* spp. isolated from a chlorinated intermittent water distribution system in Lebanon. *J Water Health.* 2004 Jun; 2(2):115-22. (MicroSeq[®] 500 Kit)

Patel JB, Wallace RJ Jr, Brown-Elliott BA, Taylor T, Imperatrice C, Leonard DG, Wilson RW, Mann L, Jost KC, Nachamkin I. Sequence-based identification of aerobic actinomycetes. *J Clin Microbiol.* 2004 Jun; 42(6):2530-40. (MicroSeq[®] 500 Kit)

Gasparich GE, Whitcomb RF., Dodge , French FE., Glass J, Williamson DL. The genus *Spiroplasma* and its non-helical descendants: phylogenetic classification, correlation with phenotype and roots of the *Mycoplasma mycoides* clade. *Int J Syst Evol Microbiol.* 2004 May; 54 (pt 3): 893-918.

Hall L, Wohlfiel S, Roberts GD. Experience with the MicroSeq D2 large-subunit ribosomal DNA sequencing kit for identification of filamentous fungi encountered in the clinical laboratory. *J Clin Microbiol.* 2004 Feb; 42(2):622-6. (MicroSeq® D2 Kit, MicroSeq® software, ABI PRISM® 3100 instrument)*

Cloud JL, Conville PS, Croft A, Harmsen D, Witebsky FG, Carroll KC. Evaluation of partial 16S ribosomal DNA sequencing for identification of nocardia species by using the MicroSeq 500 system with an expanded database. *J Clin Microbiol.* 2004 Feb; 42(2):578-84. (MicroSeq® 500 Kit, MicroSeq® Software, ABI PRISM® 377 instrument)*

Mellmann A, Cloud JL, Andrees S, Blackwood K, Carroll KC, Kabani A, Roth A, Harmsen D. Evaluation of RIDOM, MicroSeq, and Genbank services in the molecular identification of *Nocardia* species. *Int J Med Microbiol.* 2003 Nov; 293(5):359-70.*

Hall L, Wohlfiel S, Roberts GD. Experience with the MicroSeq D2 large-subunit ribosomal DNA sequencing kit for identification of commonly encountered, clinically important yeast species. *J Clin Microbiol.* 2003 Nov; 41(11):5099-102. (MicroSeq® D2 Kit, MicroSeq® software, ABI PRISM® 3100 instrument)*

Zhang D, Yang H, Zhang W, Huang Z, Liu SJ. *Rhodocista pekingensis* sp. nov., a cyst-forming phototrophic bacterium from a municipal wastewater treatment plant. *Int J Syst Evol Microbiol.* 2003 Jul; 53(Pt 4):1111-4. (MicroSeq® Full-Gene Kit, ABI PRISM® 377 instrument)

Wagner RD, Paine DD, Cerniglia CE. Phenotypic and genotypic characterization of competitive exclusion products for use in poultry. *J Appl Microbiol.* 2003; 94(6): 1098-107.*

Woo PC, Ng KH, Lau SK, Yip KT, Fung AM, Leung KW, Tam DM, Que TL, Yuen KY. Usefulness of the MicroSeq 500 16S ribosomal DNA-based bacterial identification system for identification of clinically significant bacterial isolates with ambiguous biochemical profiles. *J Clin Microbiol.* 2003 May; 41(5):1996-2001. (MicroSeq® 500 Kit, MicroSeq® Software, ABI PRISM® 377 instrument)*

Hall L, Doerr KA, Wohlfiel SL, Roberts GD. Evaluation of the MicroSeq system for identification of mycobacteria by 16S ribosomal DNA sequencing and its integration into a routine clinical mycobacteriology laboratory. *J Clin Microbiol.* 2003 Apr; 41(4):1447-53. (MicroSeq® 500 Kit, MicroSeq® Software, ABI PRISM® 3100 instrument)*

Ninet B, Jan I, Bontems O, Lechenne B, Jousson O, Panizzon R, Lew D, Monod M. Identification of dermatophyte species by 28S ribosomal DNA sequencing with a commercial kit. *J Clin Microbiol.* 2003 Feb; 41(2):826-30. (MicroSeq[®] D2 Kit, ABI PRISM[®] 377 instrument)*

Ajithkumar B, Ajithkumar VP., Iriye R, Doi Y, Sakai T. Spore-forming *Serratia marcescens* subsp. *sakuensis* subsp. nov., isolated from a domestic wastewater treatment tank. *Int J Syst Evol Microbiol.* 2003 Jan; 53(Pt 1):253-8. (MicroSeq[®] Full-Gene Kit, ABI PRISM[®] 310 instrument)

Zhang D, Yang H, Huang Z, Zhang W, Liu SJ. Rhodopseudomonas faecalis sp. nov., a phototrophic bacterium isolated from an anaerobic reactor that digests chicken faeces. *Int J Syst Evol Microbiol.* 2002 Nov; 52(Pt 6):2055-60. (MicroSeq[®] Full-Gene Kit, ABI PRISM[®] 377 instrument)

Donahue JM, Williams NM, Sells SF, Labeda DP. Crossiella equi sp. nov., isolated from equine placentas. *Int J Syst Evol Microbiol.* 2002 Nov; 52(Pt 6):2169-73. (MicroSeq[®] Full-Gene Kit)

Zhang Q, Kennon R, Koza MA, Hulten K, Clarridge JE 3rd. Pseudoepidemic due to a unique strain of Mycobacterium szulgai: genotypic, phenotypic, and epidemiological analysis. *J Clin Microbiol.* 2002 Apr; 40(4):1134-9. (MicroSeq[®] 500 Kit, MicroSeq[®] Software)

Wang JT, McDonald LC, Chang SC, Ho M. Community-acquired Acinetobacter baumannii bacteremia in adult patients in Taiwan. *J Clin Microbiol.* 2002 Apr; 40(4):1526-9. (MicroSeq[®] 500 Kit)

Cloud JL, Neal H, Rosenberry R, Turenne CY, Jama M, Hillyard DR, Carroll KC. Identification of Mycobacterium spp. by using a commercial 16S ribosomal DNA sequencing kit and additional sequencing libraries. *J Clin Microbiol.* 2002 Feb; 40(2):400-6. (MicroSeq[®] 500 Kit, MicroSeq[®] Software, ABI PRISM[®] 377 instrument)*

Qian Q, Tang YW, Kolbert CP, Torgerson CA, Hughes JG, Vetter EA, Harmsen WS, Montgomery SO, Cockerill FR 3rd, Persing DH. Direct identification of bacteria from positive blood cultures by amplification and sequencing of the 16S rRNA gene: evaluation of BACTEC 9240 instrument true-positive and false-positive results. *J Clin Microbiol.* 2001 Oct; 39(10):3578-82. (MicroSeq[®] 500 Kit, MicroSeq[®] Software, ABI PRISM[®] 377 instrument)*

Meehan C, Bjourson AJ, McMullan G. Paenibacillus azoreducens sp. nov., a synthetic azo dye decolorizing bacterium from industrial wastewater. *Int J Syst Evol Microbiol.* 2001 Sep; 51 (Pt 5):1681-5. (MicroSeq[®] Full-Gene Kit, MicroSeq[®] Software)

Loomis SH, Zinser M. Isolation and identification of an ice-nucleating bacterium from the gills of the intertidal bivalve mollusc *Geukensia demissa*. *J. Exp. Mar. Biol. Ecol.* 2001 Jul 1; 261(2): 225-235. (MicroSeq[®] 500 Kit, MicroSeq[®] Software, ABI PRISM[®] 377 instrument)

Urbance JW, Bratina BJ, Stoddard SF, Schmidt TM. Taxonomic characterization of *Ketogulonigenium vulgare* gen. nov., sp. nov. and *Ketogulonigenium robustum* sp. nov., which oxidize L-sorbose to 2-keto-L-gulonic acid. *Int J Syst Evol Microbiol.* 2001 May; 51(Pt 3):1059-70. (MicroSeq[®] Full-Gene Kit)

Clarridge JE 3rd, Attorri SM, Zhang Q, Bartell J. 16S ribosomal DNA sequence analysis distinguishes biotypes of *Streptococcus bovis*: *Streptococcus bovis* Biotype II/2 is a separate genospecies and the predominant clinical isolate in adult males. *J Clin Microbiol.* 2001 Apr; 39(4):1549-52. (MicroSeq[®] 500 Kit, MicroSeq[®] Software)

Kimura B, Hokimoto S, Takahashi H, Fujii T. *Photobacterium histaminum* Okuzumi et al. 1994 is a later subjective synonym of *Photobacterium damsela* subsp. *damsela* (Love et al. 1981) Smith et al. 1991. *Int J Syst Evol Microbiol.* 2000 May; 50 Pt 3:1339-42. (MicroSeq[®] Full-Gene Kit, ABI PRISM[®] 310 instrument)

Tang YW, Von Graevenitz A, Waddington MG, Hopkins MK, Smith DH, Li H, Kolbert CP, Montgomery SO, Persing DH. Identification of coryneform bacterial isolates by ribosomal DNA sequence analysis. *J Clin Microbiol.* 2000 Apr; 38(4):1676-8. (MicroSeq[®] 500 Kit, MicroSeq[®] Software, ABI PRISM[®] 377 and 310 instruments)*

Tang YW, Waddington MG, Smith DH, Manahan JM, Kohner PC, Highsmith LM, Li, H, Cockerill FR 3rd, Thompson RL, Montgomery SO, Persing DH. Comparison of protein A gene sequencing with pulsed-field gel electrophoresis and epidemiologic data for molecular typing of methicillin-resistant *Staphylococcus aureus*. *J Clin Microbiol.* 2000 Apr; 38(4):1347-51. (MicroSeq[®] Full-Gene Kit, MicroSeq[®] Software, ABI PRISM[®] 377 instrument)*

Patel JB, Leonard DG, Pan X, Musser JM, Berman RE, Nachamkin I. Sequence-based identification of *Mycobacterium* species using the MicroSeq 500 16S rDNA bacterial identification system. *J Clin Microbiol.* 2000 Jan; 38(1):246-51. (MicroSeq[®] 500 Kit, MicroSeq[®] Software, ABI PRISM[®] 310 instrument)*

Hudspeth MK, Hunt Gerardo S, Maiden MF, Citron DM, Goldstein EJ. Characterization of *Bacteroides forsythus* strains from cat and dog bite wounds in humans and comparison with monkey and human oral strains. *J Clin Microbiol.* 1999 Jun; 37(6):2003-6. Erratum in: *J Clin Microbiol* 2000 Jan; 38(1):475. (MicroSeq[®] Full-Gene Kit, ABI PRISM[®] 377 instrument)

Patel JB, Clarridge J, Schuster MS, Waddington M, Osborne J, Nachamkin I. Bacteremia caused by a novel isolate resembling leptotrichia species in a neutropenic patient. *J Clin Microbiol.* 1999 Jun; 37(6):2064-7. (MicroSeq® Full-Gene Kit, MicroSeq® Software)

Tang YW, Ellis NM, Hopkins MK, Smith DH, Dodge DE, Persing DH. Comparison of phenotypic and genotypic techniques for identification of unusual aerobic pathogenic gram-negative bacilli. *J Clin Microbiol.* 1998 Dec; 36(12):3674-9. (MicroSeq® Full-Gene Kit, MicroSeq® software, ABI PRISM® 377 instrument)*

Status: August 2005, ENW

* References found in PubMed with search term "MicroSeq"

A large, semi-transparent background image showing numerous rod-shaped bacteria (bacilli) under a microscope. The bacteria are light blue and appear to be of various sizes and orientations, some in pairs and some singly. The background is a light, hazy blue, giving the impression of a microscopic field of view.

Microseq® Microbial Identification System
Fast, confident answers—every time, for any sample.