



The way forward in microbial identification

Pharma analytics

More simplicity and control in your environmental monitoring

Introducing the next evolution of the Applied Biosystems™ MicroSEQ™ Rapid Microbial Identification System, featuring the newly released MicroSEQ™ ID Microbial Identification Software v4.0. Confidently identify and classify your bacterial or fungal sequence using our latest, feature-rich release of our tried-and-true analysis software, specifically designed for the Applied Biosystems™ SeqStudio™ Genetic Analyzer QST and SeqStudio™ Flex Series Genetic Analyzers for Pharma Analytics (PA). MicroSEQ ID Microbial Identification Software v4.0 features a simple, intuitive, and browser-based interface; offers support for multiple concurrent users; and meets regulatory guidelines to enable 21 CFR Part 11 compliance.

MicroSEQ ID Microbial Identification Software v4.0 includes:

- **The largest validated and curated database for bacteria and fungi**—more than 12,000 strain types
- **Security, audit, and e-signature (SAE) software features and compliance services**—to help with regulatory requirements
- **Comprehensive data management and reporting**—integrates archive, backup, and restore functions, and allows customizable sample and project reporting

MicroSEQ Rapid Microbial Identification System

Applied Biosystems™
SeqStudio™ Genetic Analyzer
QST and SeqStudio™ Flex Series
Genetic Analyzers for PA



Applied Biosystems™ MicroSEQ™
ID Microbial Identification
Software v4.0

Applied Biosystems™ MicroSEQ™
PCR and sequencing assay kits

Applied Biosystems™ VeritiPro™
PCR Thermal Cycler

Achieve right-the-first-time microbial identification

The MicroSEQ Rapid Microbial Identification System, based on comparative rDNA sequencing of the 16S region (for bacteria) or the LSU D2 region (for fungi), is a proven method for rapid and accurate microbial identification. The comparative gene sequence analysis of ribosomal DNA (rDNA) has been shown to have the highest accuracy of microbial identification methods and has been considered the gold standard for microbial identification for over a decade.

With the MicroSEQ system, results can be obtained rapidly using a logical workflow that requires minimum hands-on time. A single, standardized procedure is used for identifying both bacterial and fungal isolates, giving you results from colony to identification in less than five hours.

MicroSEQ PCR and sequencing kits, along with complementary reagents for efficient sample preparation and purification, have been tested together to deliver optimal results.



Ordering information

Description	Cat. No.
MicroSEQ PCR and sequencing assay kits	
Fast MicroSEQ 500 16S rDNA PCR Kit, with protocol and quick reference card	4370489
MicroSEQ 500 16S rDNA Sequencing Kit, with protocol and quick reference card	4346480
MicroSEQ Full Gene 16S rDNA PCR Kit, with protocol and quick reference card	4349155
MicroSEQ Full Gene 16S rDNA Sequencing Kit, with protocol and quick reference card	4347484
Fast MicroSEQ D2 LSU rDNA Fungal PCR Kit, with protocol and quick reference card	4382397
MicroSEQ D2 rDNA Fungal Sequencing Kit, with protocol and quick reference card	4347481
Libraries and software	
MicroSEQ ID Microbial Identification Software, v4.0 with all libraries	A57311
MicroSEQ ID Microbial Identification Software, v4.0	A56679
MicroSEQ ID 16S rDNA 500 Microbial Library, v2022	A57312
MicroSEQ ID 16S rDNA Full Gene Library, v2.1	A57315
MicroSEQ ID Fungal Gene Library, v2022	A57314
MicroSEQ ID 16S rDNA 500 Supplemental Library, v2022	A57313
SeqStudio and SeqStudio Flex genetic analyzers	
SeqStudio 8 Flex Genetic Analyzer for Pharma Analytics (includes SAE v2.1 and computer)	A57829
SeqStudio 24 Flex Genetic Analyzer for Pharma Analytics (includes SAE v2.1 and computer)	A57830
SeqStudio Genetic Analyzer QST with SAE Console v2.1	A49988

Learn more at thermofisher.com/microseq

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