

Microorganism Identification

Eurofins BioPharma Product Testing offers multiple state-of-the-art technologies and approaches to Identification (ID) Testing to provide the appropriate level of identification to fit your needs. From identification of environmental isolates, through expert analysis of finished product contaminants, we offer the most comprehensive ID services available for bacteria, molds and yeasts.

Why Choose Eurofins BioPharma Product Testing?

We have more than 25 years of experience providing comprehensive microbial identification support to the pharmaceutical industries.

We have vast experience with all species of bacteria and fungi found in the pharma industry.

We have the largest libraries of reference sequences worldwide for bacteria and fungi.

Our standard turnaround time is 3-5 business days with priority services upon request.

Genotypic Identification

Regular Service **Unilocus Comparative Sequencing (ULSA)**

Bacteria: 16S rRNA Gene Long Sequencing
Uses PCR to amplify more than 1,350 base pairs, double strand sequencing and comparison to our validated, proprietary database, Eurofins Microbial Sequencing Index (EMSI), including more than 9,260 valid type strains.

- Genus and species level identification.
- More accurate than partial sequencing.
- Rapid, reliable and efficient.

Fungi: 25S rRNA Gene or ITS1/ITS2 Partial Sequencing

Uses 25S rRNA gene.

- Genus and species level identification.
- Rapid, reliable and efficient.

Proteotypic Identification

Regular Service **MALDI-TOF Mass spectrometry** **Organism Identification**

Bacteria and Yeast identification:

Uses MALDI-TOF mass spectrometry to create a unique proteomic fingerprint of an organism. This fingerprint is matches characteristic patterns within the instrument library. The instrument library consists of over 11,000 entries that span more than 4,000 species of bacteria and yeasts.

- Gene and species level identifications
- Rapid identification testing
- More cost effective method



Comprehensive GMP Testing Services

Method Development & Validation • Release Testing • Raw Materials Testing
Cell Banking Services • Virology Services • Facility & Process Validation
Chemistry • Biochemistry • Molecular & Cell Biology • Microbiology
Stability Testing & Storage • Primary & Secondary Package Testing

Flexible Service Models

Fee For Service (FFS)
Full-Time-Equivalent (FTE)
PSS Insourcing Solutions®

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