



## Microbial Identifications by DNA sequencing

### Fast, Right, Cheap and Easy with Eurofins!

Microbial identification is an essential tool for pharmaceutical companies that need to identify the sources and characteristics of microbial contaminations in products, environment, water, etc.

A timely and accurate identification can be the key for successful troubleshooting, providing critical information on potential sources of contamination and the most effective ways to prevent, to control or to fight them.

DNA sequencing is considered the state-of-the-art identification technique that provides the most accurate results and which is rapidly substituting biochemical methods in the pharmaceutical industry, driven also by the increasing requirements of pharmaceutical companies and competent authorities.

As an alternative to expensive investments in equipments and methods, Eurofins provides a complete microbial identification service, covering bacteria, yeasts or fungi, specifically intended for pharmaceutical companies, guaranteeing full regulatory compliance, accurate results and which is especially attractive for its simplicity, rapidness and price.

### Accurate results – FDA registered / cGMP compliant testing facility

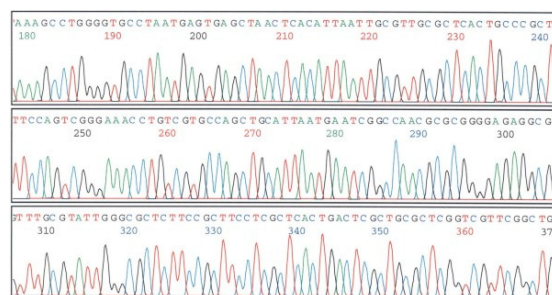
Eurofins centralizes microbial identification testing into one single highly specialized facility in Europe which is cGMP accredited and FDA registered.

The facility performs more than one thousand identification tests per year and is regularly inspected by competent authorities and pharmaceutical companies.

The analysis is performed using an Applied Biosystem's MicroSeq<sup>®</sup> Microbial Identification System combined with MicroSeq<sup>®</sup> Applied Biosystem and NCBI (National Center for Biotechnology Information) databases.

Validated methods are available for bacteria, by 16S rRNA gene sequencing, and fungi by D2 LSU rDNA sequencing.

Our final reports include the identification of the microbial strain together with the probability of error.



Eurofins Scientific is a life sciences company operating laboratories that provide a comprehensive range of analytical testing services, drawing on the latest developments in biotechnology. The Group specializes in delivering analytical testing and advisory services to clients from a wide range of industries including the pharmaceutical, food and environmental sectors.



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## Eurofins Microbial-ID Packs: Simple and Rapid

### Just send your FTA card and check results in 5 days!

Microbial identifications are available on a standalone basis or in the form of pre-paid Eurofins Microbial-ID Packs of 5, 10, 25 & 50 tests.

Each Eurofins Microbial-ID Pack includes:

- pre-filled forms for sample shipments to our facility
- Whatman® FTA Micro Cards for strains shipment
- Instructions of use (handling and shipment)



Eurofins Microbial-ID Packs do not expire: this allows you to plan your needs on a yearly base and to fit to the best price and solution.

FTA Cards are very simple to use and they are the best way to ship strains by standard courier since they avoid specific requirements for biological risks.

When you place an order for a Eurofins Microbial-ID Pack you will receive your starter-kit from Eurofins. Then you will just have to send the FTA cards with your strains to our facility: you will receive the PDF report by e-mail in 5 business days from sample receipt and the original copy of the report by postal mail.

### The best choice for your money

Setting up an internal lab for microbial identifications by DNA sequencing requires heavy investments in equipments, facilities, personnel, methods and continuous adjustment to the state-of-the-art.

Our centralized and highly specialized lab analyses thousands of strains per year. This experience is very helpful in solving issues concerning sequencing and report interpretation and allows us to offer very competitive prices.

Eurofins Microbial – ID Packs purchase option provides an additional reduction of the unit price of each test and drastically simplifies internal management and logistics, providing a very efficient solution for strains' shipment with all the disposables materials included into the final price.

Contact your Eurofins representative for an updated price list and further details!