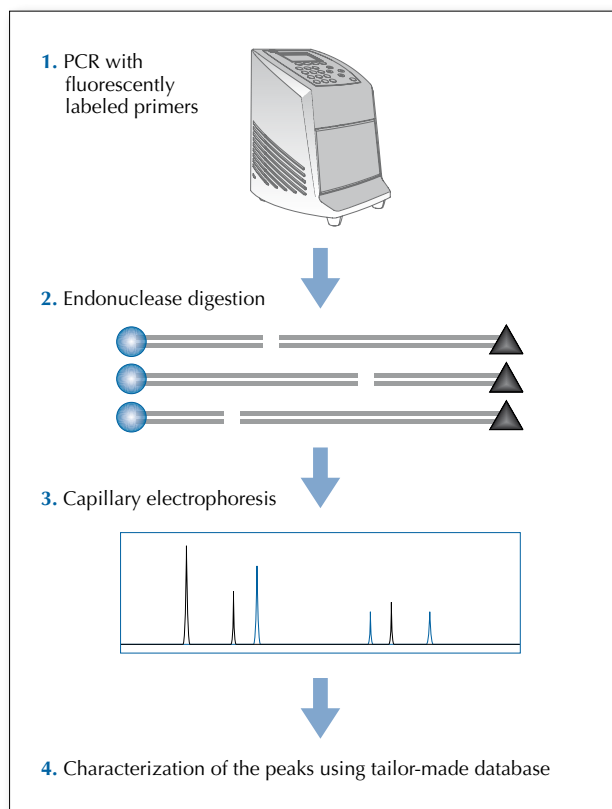


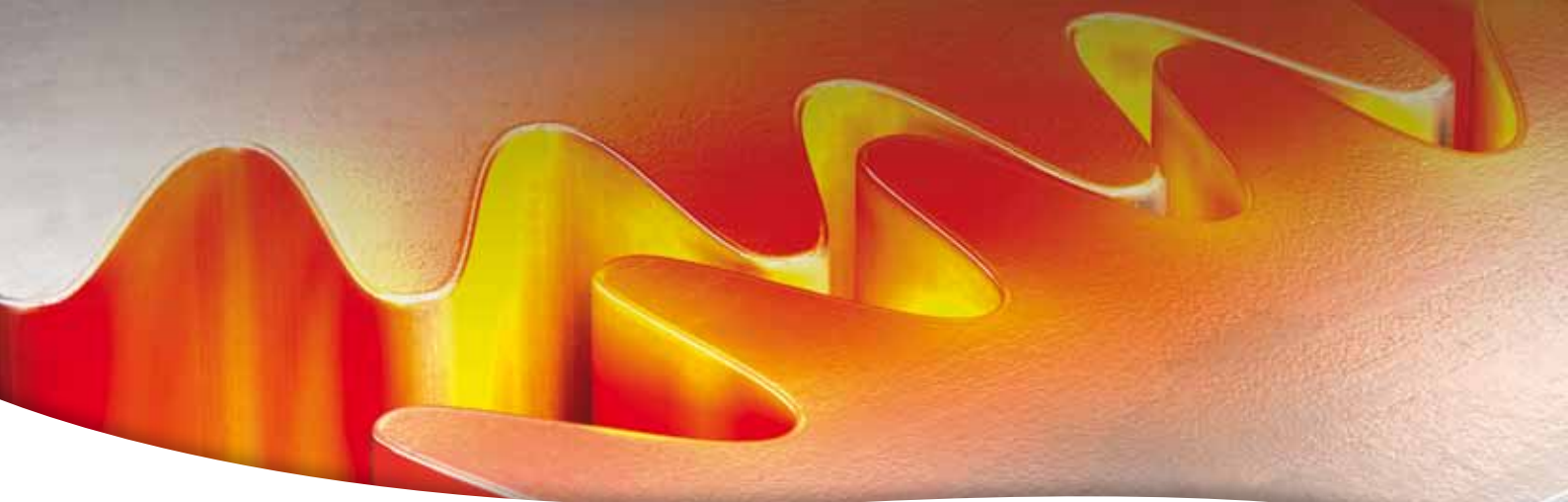
# Phusion<sup>®</sup> Bacterial Profiling Kit

## Easy profiling of bacterial strains

Finnzymes' Phusion<sup>®</sup> Bacterial Profiling Kit enables fast and user-friendly profiling and characterization of bacterial populations. The profiling method is based on terminal restriction fragment length polymorphism (T-RFLP) and it is suitable for any sample material containing bacteria. Such sample material can range from human and animal samples to food and environmental samples, for example. The Phusion Bacterial Profiling Kit includes a complete set of reagents for PCR and subsequent endonuclease digestion. Password for a web database of T-RFLP peak values, which represents more than 60 000 bacterial targets, is included with the purchase of this kit.

**Short and simple protocol.** The Phusion Bacterial Profiling Kit includes a complete set of reagents for (1) PCR with differentially labeled fluorescent primers, (2) endonuclease digestion and (3) capillary electrophoresis, and (4) password for a tailor-made web database of T-RFLP peak values.

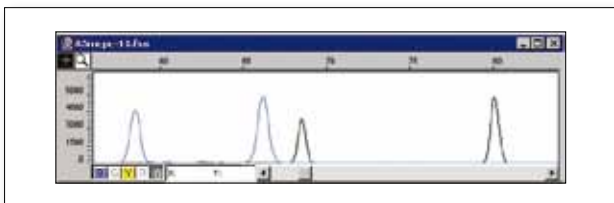




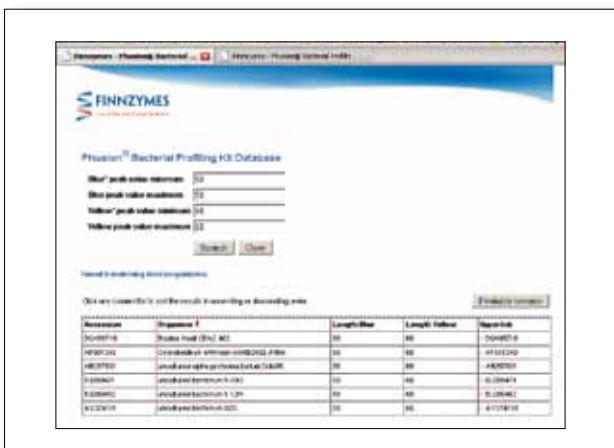
## Advantages

- Robust PCR even with impure samples
- Easy-to-use mixes reduce risk of contamination
- No DNA purification needed for endonuclease digestion
- Optimized to eliminate false peaks in T-RFLP profile
- Access to a regularly updated and user-friendly web database of T-RFLP peak values

## Tailored web database enables easy bacterial profiling



The T-RFLP electropherogram obtained with the Phusion Bacterial Profiling Kit contains two peaks for each sample representing the differentially labeled restriction fragments.



Access to a regularly updated database of T-RFLP peak values is included with the purchase of the Phusion Bacterial Profiling Kit. Just log in and type the two peak values in the database. The database lists the bacterial species or subgroups matching your search.

## Application fields

- Monitoring bacterial changes in food and dairy industry
- Diagnosing bacteria in healthy and diseased animals
- Environmental research
- Forensic comparison of soils
- Hospital hygiene, etc.

## Kit components

### Phusion® Bacterial Profiling Kit

- Microbe PCR Solution 1 (includes Phusion® Hot Start High-Fidelity DNA Polymerase)
- Microbe PCR Solution 2 (includes differentially labeled fluorescent PCR primers)
- Endonuclease Solution MT1 (includes *MspI* and *HinP1I* endonucleases)
- Microbe Control DNA (DNA from 5 bacterial strains)

## Ordering information

### Phusion® Bacterial Profiling Kit

F-890S 100 reactions including 10 control reactions

[www.finnzymes.com](http://www.finnzymes.com)

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