



Searching for Fermentation Bacteria and Increasing Their Functionality

# Designing fermentation bacteria

## Benefits

Diverse micro-organism resources can be used.

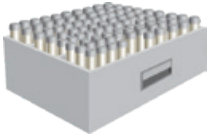
Revolutionary fermentation processes can be designed.

Metabolic pathways to desired target compounds can be designed.



- Processes with low environmental impact can be achieved
- Need for "non-animal" can be met
- Raw materials derived from sustainable resources can be used
- Large-volume and low-cost production is possible

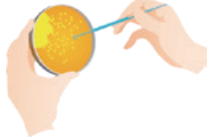
## Our Technology



Screening of micro-organism suitable for production of the target compound from our own library



Cultivation of selected micro-organism



Identification of genes involved in biosynthesis of the target compound from the genome sequence

Design of optimal metabolic pathway

