

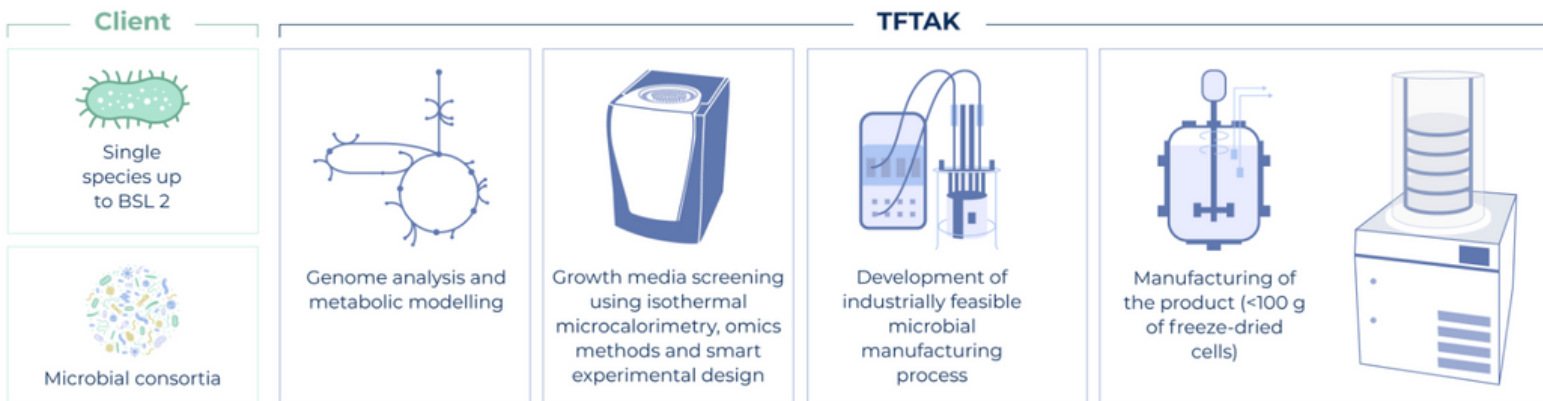
TFTAK CULTIVATION SERVICE

TFTAK is your ideal contract research partner in studies and design of cell factories, microbial consortia, and optimization of processes of microbiological synthesis.

Our knowledge and experience allow fast and reliable development of microbial bioconversion processes with the maximal yields and synthesis rates of your desired biomass and metabolites.

TFTAK has all the key competencies, bioinformatics, metabolic modelling, fast and flexible analytics, advanced fermentation, down-stream processing, as one efficient in-house development platform.

Efficient and flexible pipeline designed for viable cell production and microbial bioconversion optimization of any microorganism.



An integrated systems biology platform including advanced cultivation methods, unique high throughput Isothermal Microcalorimetry pipeline, multiple fully equipped bioreactors, array of analytical, including omics, methods tuned to generate quantitatively fitting data for genome-wide metabolic modelling using FBA-type models and unique Single Cell Models (SCM) framework has been developed and implemented.

Our platform allows us to carry out high throughput experimental and theoretical analysis and optimization projects rapidly with reliable results and applications.

We have successfully developed and optimized manufacturing processes of next-generation probiotics and complex microbial consortia for leading international biotech companies IFF, Lallemand, Beiersdorf, Balchem, Danone.

TFTAK - CENTER OF FOOD AND FERMENTATION TECHNOLOGIES

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LET US INNOVATE TOGETHER!

TFTAK has all the key competencies as one efficient in-house development platform.

1

GENOME ANALYSIS

Active genome expression patterns analysis and whole-genome metabolic modelling.

2

HIGH THROUGHPUT SCREENING

Design of experiment (DOE) based media components' screening with isothermal microcalorimetry.

3

OPTIMIZATION

Bioprocess development and downstream processing optimization with the support of advanced analytics.