

m2p-labs

Microbioreactors

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Develop your BioProcess in a couple of days!

- Process development
- Growth optimization
- Fed-batch optimization
- Media screening
- pH profiling
- Induction profiling
- Automated fermentation



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The Microbioreactor Company
www.m2p-labs.com

EUROPE

info@m2p-labs.com
Phone +492401805-330

USA

infoUS@m2p-labs.com
Phone +1631501-1878

ASIA

infoAsia@m2p-labs.com
Phone: +852 6092 6778

Intelligent micro fermentation platforms

High throughput cultivation of micro-organisms:

- aerobic
- microaerophilic
- strictly anaerobic

For strain selection, clone screening, promotor studies, protein expression, synthetic biology, functional genomics, microbiome and more.

For an increased number and information content of microbial experiments.



Microfluidic Bioprocess Control

Continuous control of feeding and pH rate while simultaneously measuring in parallel the biomass, pH, DO and fluorescences. No tubing and no liquid handling is needed.



Real-time Culture Monitoring

High-throughput micro fermentations with online monitoring of biomass, pH, DO and fluorescences. The BioLector® operates with non-invasive, optical sensors measuring while continuously and rigorously shaking during the experiment.



Automated Cultivation

The combination of a micro bioreactor with a liquid handling robot, RoboLector®, tailored for media preparations, automated sampling and dosing steps, inductions and fed-batch processing.