

## Microbial cell cultivation

A microbial culture is a method of multiplying microbial organisms by letting them reproduce in a predetermined culture medium under controlled laboratory conditions. These essential experiments depend a lot on a controlled environment where a selection of reliable devices is the most crucial point. Our devices have proved themselves in thousands of experiments and recognized worldwide. Shakers, rockers, incubators with and without CO<sub>2</sub>. Our patented Reverse-Spin Technology gives unparalleled results with its innovative mixing technology (RTS line devices). A wide variety of different devices are available to meet the most demanded requests.

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### Cultivation equipment with and without temperature control



● ES-20  
Orbital Shaker-  
Incubator



● ES-20/60  
Orbital Shaker-  
Incubator



● ES-20/80  
Orbital Shaker-  
Incubator



● ES-20/80C  
Orbital Shaker-  
Incubator with  
cooling

New



● PSU-101  
Orbital Shaker



● S-BT SMART  
BIO THERM  
Compact CO<sub>2</sub>  
Incubator



● PSU-201  
Multi-functional  
Orbital Shaker

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### Manual turbidity measurement (in McFarland units)

Upgraded



● DEN-1  
Densitometer  
(suspension  
turbidity detector)



● DEN-1B  
Densitometer  
(suspension  
turbidity detector)

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### Cultivation and Real-time OD Measurements and Logging



● RTS-8  
Personal multi-  
channel bioreactor  
with non-invasive  
real time OD  
measurement



● RTS-8 PLUS  
Personal multi-  
channel bioreactor  
with non-invasive  
real time OD pH  
and pO<sub>2</sub>  
measurement



● RTS-1  
Personal bioreactor



● RTS-1C  
Personal bioreactor



LABAQUA  
BIO  
ultrapure water  
system



● LMC-3000  
Laboratory  
Centrifuge



● LMC-56  
Laboratory  
Centrifuge



● LMC-4200R  
Laboratory  
Refrigerated  
Centrifuge



ASSIST  
pipette series



ASSISTBOY  
pipette controller



ASSIST  
pipette series with  
volume lock

New

New