

Round Well Plate

First Choice for Deeper Knowledge



Low to Medium Oxygen Transfer
High-Throughput Fermentation
Real-Time Monitoring
Scalability



Round Well Plate

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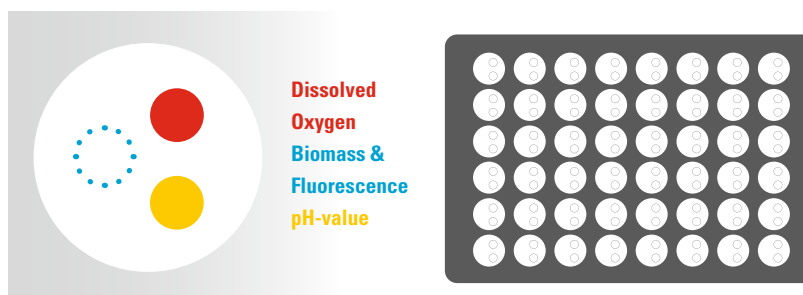
More Insights in Less Time

A Unique Performance

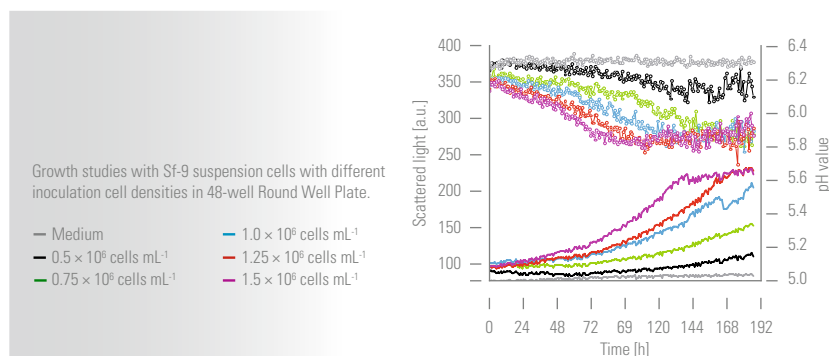
- Multiparameter reading possible in 48 parallel bioreactors
- Broad range of $k_L a$ values (25 – 170 1/h)
- Wide volume range (800 – 2400 μ L)
- No spilling
- No optical cross talk
- Effective mixing
- No foaming
- Continuous contact of liquids to optodes
- Scalability to production fermenters

The Round Well Plate is a new deepwell microtiter plate which combines high-throughput bioprocessing with online measurements of the most relevant fermentation parameters, e.g. biomass and protein concentrations as well as pH and DO. Based on a standard SBS footprint, the round geometry is ideally suited for low oxygen demands or microaerophilic cultures as well as for higher viscosities. The continuous shaking process delivers sufficient oxygen for slowly growing cells and avoids the sedimentation and aggregation of cells. The Round Well Plate is an excellent cultivation platform to fulfill today's needs in screening and early bioprocess development.

Measurement Principle



Measurement Example



Ordering Info

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48 Well Round Well Plate

incl. pH and DO optode / well	MTP-R48-B0H
incl. DO optode / well	MTP-R48-B0
incl. pH optode / well	MTP-R48-BH
transparent bottom, without optodes	MTP-R48-B
black bottom, for offline cultivation	MTP-R48-OFF

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