TEB500 Cell Culture Bioreactor

CELL CULTURE BIOREACTOR FOR FLOW EXPERIMENTS

- **Comfortable manipulation of flow circuits**
- **Simpler and more reliable experimental setups**
- **Powerful flow control**
- **Complete solution for cell culture under flow conditions**

The TEB500 provides the ideal conditions for growing and developing cell and tissue cultures under accurately controlled flow conditions. It has the functionality of a CO_2-O_2 incubator and incorporates an integrated double peristaltic pumping system.

Forget about awkward and unreliable experimental setups involving pumps, incubators and a jungle of tubes and save time and gain comfort with the TEB500: a standalone equipment that integrates all the required functionalities for any cell culture experiment under flow.

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BI-GAS INCUBATION SYSTEM

Standard CO_2 and O_2 control allows generating hypoxic culture conditions

Front access port for the introduction of tubing or wires in the incubation chamber

DOUBLE TOP DOOR

Sample manipulation as easy as working at the laboratory bench

Ideal for building and handling flow circuits

FULLY INTEGRATED PUMPING SYSTEMS

Only pumpheads are located inside the bioreactor chamber

Simpler experimental setups

Safer experiments: no risk of overheating or contamination

POWERFUL FLOW SYSTEM

Independent command of two 4-channel pumpheads

Manual, program and dynamic seeding modes of operation

User-defined complex flow profiles

ENHANCED CONTROL INTERFACE

PC-based interface with data logging and graph visualization features

Front display panel for control of atmospheric conditions

Optional remote operation via WiFi from a PC or mobile device

Larger versions of the system and a wide family of culture chambers and circuits are available. Consult our website for further information

SPECIFICATIONS

External dimensions [WxDxH]
750 x 741 x 360 mm

Internal dimensions [WxDxH]
650 x 530 x 200 mm

Volume
60 L

Temperature range
Room temp.+5 to 50°C

Flow rate per channel
0.002-49 ml/min

Gas control range
CO_2 0.2-15% O_2 1-19%

APPLICATIONS

3D cell culture
Tissue engineering
Microfluidics
Cell culture under flow
Automatic cell seeding
Automatic medium renewal

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