Web Version
low resolution

Multitron Cell

The ultimate for cell cultivation

Designed for cell cultures

Optimum conditions

The new design of the Multitron Cell is based on the long experience of experts in cell cultivation. Even temperature distribution, a stable CO_2 supply, the particularly gentle drive system with smooth starting and braking behaviour and the precise regulation of cultivation parameters create reproducible conditions for successful parallel cell cultures.

Excellent results

The active yet gentle mixing of cultures in the Multitron Cell produces results around 30% better than in static incubators. The early adaptation of cells to mechanical mixing makes the Multitron Cell ideal for the production of seed cultures for pilot bioreactors.

New: Intuitive control

The newly designed touch controller has modern sensor keys and a newly developed menu structure, allowing parameters to be intuitively switched on and off and set values to be changed.

Antimicrobial surface

The inside and outside of the housing and door of the Multitron Cell are coated with a paint additive of pure metallic silver, which reliably kills microorganisms on the surface. The certified antimicrobial surface reduces the bacterial and fungal count by a minimum factor of 10^5.

Access points for external sensors

Cable pass-throughs on the side allow you to feed sensor cables and additional gas lines into the Multitron Cell. Safe and simple.

Even easier to clean

The bottom well of the Multitron Cell is easily accessible and can simply be rinsed clean. You can use the outlet nozzle to drain off excess water or liquid cultures (e.g. after a flask breakage).

Hygienic direct steam humidification

The new hygienic direct steam humidification (optional) offers the advantage of even greater consistency in culture volumes and osmotic pressure.

HIGHLIGHT

ShakerBag Option – more flexibility in your incubation shaker

The ShakerBag Option provides you with the ability to cultivate mammalian, insect or plant cells in disposable bags with working volumes of 0.2 to 10 L in the orbital incubation shaker. Direct gassing with air or an air/CO_2 gas mixture makes it possible to supply the separate cultivation bags individually with oxygen and makes for a stable pH value.

Applications

- Parallel cultivation
- Screening
- Protein expression
- Media development
- Scale-up
- Process development and optimisation
- Biofuels
- Molecular biology (e.g. mini- and maxipreps)

Key technical data

Dimensions (W x D x H): 1070 x 880 x 550 mm (Individual device on rubber feet, without outlet nozzle, without cooling system)
Maximum capacity: 6 x 5 L Erlenmeyer flasks
Maximum expansion: Stackable, up to 3 units
Speed ranges: 20–400 rpm (3 mm stroke: up to 999 rpm), depending on the load and stack.
Temperature range: 6°C above RT up to 80°C/typically up to 65°C (without cooling system); 20°C under RT (with side-mounted cooling system); 13°C under RT (with top-mounted cooling system). Control accuracy +/– 0.3°C (Setpoint 4–50°C)
Standard parameters: Temperature and speed
Optional parameters: Cooling, illumination, humidification, CO_2 control
Options: ShakerBag, UV sterilisation, darkening, intermediate plate, pass-through, mobile temperature sensor, box for microtitre plates etc

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