



Automated process control and incubation efficiency

Heracell VIOS 250i AxD CO₂ Incubators

Innovative features

- Patent-pending automated operation of incubator door
- Simplified door design setup, well suited for robotic interface
- Automatic stop if an obstruction is encountered
- Patented Thermo Scientific™ THRIVE™ active airflow technology for homogeneous growth conditions
- In-chamber HEPA filtration to achieve ISO Class 5 clean room-like air quality conditions in five minutes after a 30-second door opening

Benefits include

- Outstanding recovery and uniformity
- Comprehensive contamination control
- Integration-ready for automated production settings that leverage a modular design to scale
- Easy to clean and maintain with Thermo Scientific™ Steri-Run™ proven sterilization cycle
- Optional O₂ control range available

Thermo Scientific™ Heracell™ VIOS™ 250i AxD CO₂ Incubators are designed for integration into automated laboratories that leverage a modular design to scale. The VIOS family of incubators is known for optimal cell growth conditions and minimal contamination risk. With the added innovation of a patent-pending automated door control, these leading incubators now bring their excellent recovery and uniformity to emerging automated cell therapy production processes 24/7, 365.

Many industry experts agree that human handling and complex processes limit broader application of cutting-edge cell therapies to treat cancer, autoimmunity, and orphan diseases. As automation is incorporated across the sector, these treatments will be produced in a more economical and safer fashion. Several companies are developing advanced robotics to meet these goals and Heracell VIOS 250i AxD CO₂ Incubators are a natural fit. Various therapies are researched and developed in these incubators due to their excellent culturing conditions that help ensure important cellular critical quality attributes.

Heracell VIOS CO₂ Incubators feature contamination control technologies that are proven effective. In-chamber HEPA filtration captures all particles regardless of size, protecting cultures from airborne contaminants that can enter any incubator when the door is opened. The water reservoir is fully covered and protected and is easy to drain and refill to keep the water fresh and avoid the need for chemicals that could stress the cultured cells. The Thermo Scientific™ Steri-Run™ Cycle is independently proven to reach a 12-log sterility assurance level, eliminating more than one million biological indicators for both dry heat sterilization and autoclave sterilization in half the lethal time used in production models.

Ordering information for Heracell VIOS 250i AxD CO₂ Incubators

Unit	Description	Voltage	SKU
VIOS 250i AxD CO ₂ Incubator	Automated door, electropolished stainless steel chamber with HEPA filtration, Steri-Run sterilization cycle, IR180Si sensor	120 V 50/60 Hz	50170751
		230 V 50/60 Hz	50170752
		100 V 50/60 Hz	50170753
VIOS 250i AxD CO ₂ Incubator, O ₂ control included	Automated door, O ₂ control 1-21%, electropolished stainless steel chamber with HEPA filtration, Steri-Run sterilization cycle, IR180Si sensor	120 V 50/60 Hz	50170754
		230 V 50/60 Hz	50170755
		100 V 50/60 Hz	50170756

Accessories for Heracell VIOS 250i AxD CO₂ Incubators

Description	Cat. No.
Stands and stacking adaptors	
Support frame for double chamber, 200 mm high (without castors)	50149102
Support frame for single chamber, 780 mm high (without castors)	50149125
Low profile support frame for double chamber, 73 mm high (with castors)	50154407
Adaptor required for stacking 250i models	50154522
Monitoring and data collection	
Gateway Accessory Kit for OPC UAT™ enablement of Heracell VIOS CO ₂ Incubators	50168119
Gateway Accessory Kit for OPC UA enablement of Heracell VIOS CO ₂ Incubators – China Only	50168031
Shelving	
Reinforced shelf, stainless steel	50150643
Reinforced clip bar shelf, stainless steel	50160234
Thermo Scientific™ CultiMaxx™ shelving system to support up to 10 G-Rex 500M-CS bioreactor	50164781
CultiMaxx shelving system to support up to 10 Thermo Scientific™ Nunc™ Cell Factory™ systems with 4 layers	50166268
CultiMaxx shelving system to support up to 6 Nunc Cell Factory systems with 10 or 13 layers	50166285
CultiMaxx shelving system to support cell culture bags	50166275



Additional shelving options available for the VIOS 250i AxD CO₂ incubator include CultiMaxx Shelving Systems pictured above. L-R: CultiMaxx shelving system for G-Rex Bioreactors, Cat. No. 50164781, CultiMaxx shelving system for Nunc Cell Factory systems, Cat. No. 50166285, CultiMaxx shelving system for cell culture bags, Cat. No. 50166275.

Learn more at thermofisher.com/co2axd

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