

CO₂ Incubators

Evolve. Expand. Excel.

Thermo Scientific™ Vios™ iDx CO₂ Incubators



thermo scientific

Expanding discovery with every evolution

The Thermo Scientific™ Vios™ line of CO₂ Incubators has been the global leader in cell culture incubation technology for over 10 years. Robust performance based on product innovation has cemented Vios CO₂ Incubators as the number one choice for cell scientists. At every stage of research and development, and every stage of your career, you can count on Vios iDx CO₂ Incubators to help you tackle the ever-evolving challenges of your most critical applications.

Ready to excel

As a cell scientist shaping the future of human health, ensuring the integrity of your work is paramount. Choose any Vios iDx CO₂ Incubator with confidence, knowing it is meticulously designed for optimal cell growth and minimal contamination risk.



Proven performance and protection for sensitive cell cultures

- Thermo Scientific™ THRIVE™ Active Airflow technology for homogenous growth conditions
- Thermo Scientific™ Steri-Run™ High-Temperature Sterilization cycle delivers 12-log sterility assurance
- In-chamber HEPA filtration to achieve ISO Class 5 air quality conditions in only five minutes after a 30-second door opening



Designs that are ready for where your discoveries take you

- High quality in-chamber infrared sensor for CO₂ (IR180Si or TC180), temperature, and optional O₂ provide fast reactions to help maintain desired conditions
- Protected, integrated humidity reservoir helps keep an optimal environment and minimizes contamination
- Ergonomic door design to make routine loading, unloading, and checking on cultures easy; electromagnetic door lock ensures safety during Steri-Run



Seamless operations in modern labs

- Connectivity-ready for data management and remote monitoring, including front-access USB port, Thermo Scientific™ Connected Solutions and OPC-UA™ integration
- Large 7-inch touchscreen display for quicker at-a-glance monitoring of chamber conditions
- A variety of shelving options are available including Thermo Scientific™ Cell Locker™ Systems for sample protection and Thermo Scientific™ CultiMaxx™ Shelving Systems to support scale-up processes



Contents

Models at a glance	5	Cleanroom (CR) models	13
Proven performance	6	Automated door (AD) models	14
Designs ready for discovery	7	Specifications for CR and AD models	15
Seamless operations	8	Selecting a CR or AD model - 120V	16
Protect and expand	9	Factory-installed options	18
Specifications for 165 and 255 models	10	Accessories	20
Selecting a 165 or 255 model - 120V	11		

Thermo Scientific Vios iDx CO₂ Incubators at a glance



	A premium discovery partner	Ideal for extra capacity	Certified cleanroom ready	For larger cleanroom production	For automated labs
Model	Vios iDx 165	Vios iDx 255	Vios iDx CR 165	Vios iDx CR 255	Vios iDx AD 255
Capacity	165 L (5.8 cu. ft.)	255 L (9.0 cu. ft.)	165 L (5.8 cu. ft.)	255 L (9.0 cu. ft.)	255 L (9.0 cu. ft.)
Exterior housing	Powder-coated cold-rolled steel		Brushed stainless steel		Powder-coated cold-rolled steel or optional brushed stainless steel
Inner chamber	Electropolished stainless steel or 100% pure copper				Electropolished stainless steel
Segmented inner door	Optional	Optional	Optional	Optional	—
Cleanroom certified active particle control, sealed casing	—	—	✓	✓	—
ISO Class 5/EU GMP Grade A/B certified for cleanroom use	—	—	✓	✓	—
Automation integration	—	—	—	—	✓
IP54 rated electronics	—	—	✓	✓	—

Proven performance and protection for sensitive cell cultures

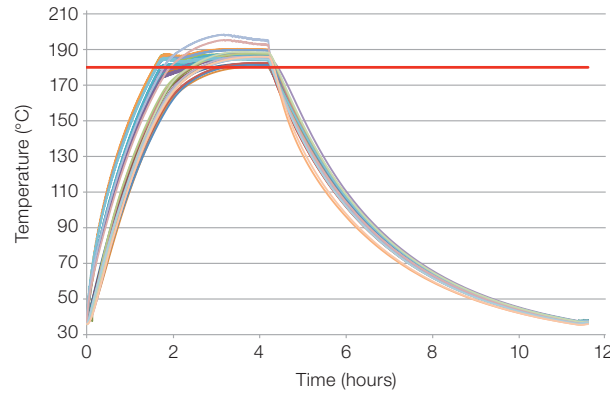
We know that performance and culture quality are paramount. That's why each Vios iDx CO₂ Incubator features active airflow, high-temperature sterilization, and in-chamber HEPA filtration so that you're always ready to excel.

Achieve optimal culturing conditions with THRIVE Active Airflow technology

Your cells experience recovery of all critical growth parameters in 10 minutes or less after a 30-second door opening.* The in-chamber fan ensures consistent results by evenly distributing filtered, conditioned air for homogeneous culturing throughout the chamber.

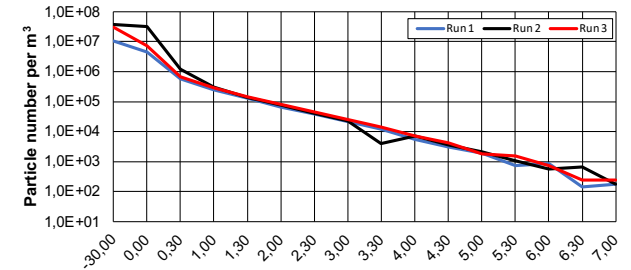


* Based on internal testing standards for a 30-second door opening, recovery time calculated to 98% of starting value for temperature and CO₂ and 95% of starting value for humidity.



Typical temperature map for full Steri-Run cycle.

Thermocouples were placed in 48 locations in the chamber, including the walls, glass door, water reservoir cover and floor, and 3 shelves. All areas reached a minimum of 180°C. N = 2 x 4 units. Steri-Run is independently proven to reach a 12-log Sterility Assurance Level.



Representative test results showing that in the Vios iDx 255 CO₂ incubator, the in-chamber HEPA filtration combined with the Thermo Scientific™ THRIVE™ Active Airflow generates ISO Class 5 conditions in 5 minutes following a 30 second incubator door opening (both inner and outer doors) and the air continues to get cleaner over time, reaching lower than ISO Class 4 conditions in seven minutes.

[Find out more](#)

[Read how it works](#)

[Why choose heat?](#)





Designs that are ready for where your discoveries take you

Your Vios iDx CO₂ Incubator is carefully designed with technologies based on decades of innovation to help ensure ultra-consistent growth conditions – so your precious cells flourish.

Culture confidently with our exclusive condensation-free humidification system

Our covered, integrated humidity reservoir maximizes relative humidity without condensation. The incubation chamber stays dry, and the design helps limit contamination in the water.

[Read more](#)



Sensor options help you manage cultures your way

Temperature and gas sensors are strategically positioned within the incubation chamber to swiftly respond to any deviations in desired conditions.

- Our Thermo Scientific IR180Si infrared CO₂ sensor features silicon MEMS emitter technology for improved stability and long service life. This sensor is recommended for labs working under good manufacturing practices (GMP) or conducting time course studies with many door openings.
- Our proprietary TC180 sensor offers the performance advantages of traditional IR technologies without the limiting lifespan, and is excellent for everyday cell culture applications.

[Why TC180](#)

[Why IR180Si](#)

[Why location matters](#)

Seamless operations in modern labs

Vios iDx CO₂ Incubator features

Simplified interior maintenance

- Choose electropolished stainless steel or 100% pure copper interior, both with easy-to-install shelving systems and easy-to-clean curved chamber corners.
- Electropolishing significantly reduces surface roughness, decreasing bacterial attachment by up to 90%, enhancing corrosion resistance, and easing manual cleaning and disinfection.
- Optional 100% pure natural copper helps you combat contamination. Copper is easily maintained with mild detergent and 70% ethanol, improves over time through oxidation, and is safe for incubated cells. This makes it an excellent choice for busy research labs.

[Read more](#)

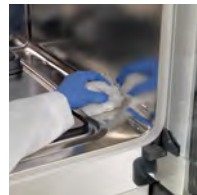
Ease of use and ergonomics

- Large 7-inch touchscreen display for quicker at-a-glance monitoring of chamber conditions. Choose your own language* and programmable access code for added security.
- Ergonomic door design makes routine loading, unloading, and checking on cultures easy.
- Integrated, covered 3-L water reservoir may be filled or drained without removing shelves or cultures. Water level sensor alerts you when to refill with advance notice.

*Available language options include: English, Spanish, German, French, Italian, Japanese, and Mandarin.

Flexibility and customization

- Tri-gas options offer variable oxygen control for culturing flexibility. Simulate hypoxic (1-21% O₂) or hyperoxic (5-90% O₂) conditions based on application need and cell type.
- Connectivity-ready for data management including front-access USB port and optional 4-20 mA signal output or Gateway for OPC-UA for remote monitoring with external data collection solutions, ideal for GMP environments meeting CFR-21 compliance.
- 165 L models offer enhanced protection for valuable samples when configured for Thermo Scientific Cell Locker Systems. [Find out more](#)
- 255 L models offer increased culturing capacity when configured for Thermo Scientific CultiMaxx Shelving Systems. [Find out more](#)



Protect and expand

Configurations for valuable cell culture

Cell Locker Systems: Protected chambers for your most sensitive cells

You'll gain enhanced culture security and protection when using the Cell Locker System. It divides the CO₂ incubator into six individual segregated chambers, with individual glass doors, uniquely preserving critical conditions for sensitive cells by isolating cultures from door openings.

The Cell Locker System should be ordered as a factory-installed option. Individual Cell Locker Chambers sold separately.

In-depth look

Preventing entry of microorganisms

Cell Locker and stem cells

CultiMaxx Shelving Systems: Expand your incubation capacity with specialized shelving

As you scale out your cell therapy manufacturing, our special CultiMaxx Shelving System – available for the Vios iDx 255 CO₂ Incubator in standard, CR, and AD models – offers additional vessel capacity and/or improved access for specialized cell culture vessels such as Wilson Wolf G-Rex[®] 500M-CS bioreactors, Thermo Scientific[™] Nunc[™] Cell Factory systems, or 1 L cell culture bags. This allows you to expand your incubation.

The electropolished stainless-steel reinforced shelves can be ordered as accessory and can be self-installed.

Learn more

G-Rex bioreactors & Vios Incubation



Vios iDx CO₂ Incubators specifications

	Vios iDx 165	Vios iDx 255
Exterior housing	Powder-coated cold-rolled steel	
External dimensions (w x h x d)	637 x 900 x 880 mm (25.1 x 35.4 x 34.7 in.)	774 x 969 x 934 mm (30.5 x 38.2 x 36.8 in.)
Internal dimensions (w x h x d)	470 x 607 x 576 mm (18.5 x 23.9 x 22.7 in.)	607 x 670 x 629 mm (23.9 x 26.4 x 24.8 in.)
Capacity	165 L (5.8 cu. ft.)	255 L (9.0 cu. ft.)
Operating weight (without accessories)	82 kg (180.8 lbs.)	105 kg (231 lbs.)
Shelving dimensions (w x d)	423 x 465 mm (16.7 x 18.3 in.)	560 x 500 mm (22.05 x 19.68 in.)
Shelving no.	3 std. / 11 max., perforated, adjustable	3 std. / 12 max., perforated, adjustable
Max. load per shelf	10 kg (22 lbs.) CU & SST models	10 kg (22 lbs.) CU models, 14 kg (30.9 lbs.) SST models
Temperature control	±0.1°C	
Temperature range	3 °C above ambient to 55 °C	
Temperature uniformity	< ±0.3 °C	
Sterilization cycle temperature	180 °C on all internal surfaces	
Sterilization cycle duration	≤12 hrs	
Constant humidity at 37 °C	High humidity mode: approx. 93 %, Low humidity mode: approx. 90 %	
CO ₂ control	± 0.1%	
CO ₂ range	0-20 %	
O ₂ control*	± 0.1%	
O ₂ range*	1-21% or 5-90%	

* O₂ control available as a factory-installed option.

Selecting a Vios iDx CO₂ Incubator

120 V

Ordering information

			Vios iDx 165 CO ₂ Incubators	Vios iDx 255 CO ₂ Incubator
			Specifically designed to deliver the performance reliability, ease of operation, and value required to support a range of culturing needs from basic research to demanding and advanced applications, so you're ready for whatever comes next	
Configuration			120 V, 50/60 Hz	
Single chamber	TC180 sensor	Electropolished stainless steel	51036152	51036272
		100% pure copper	51036155	51036275
	IR180Si sensor	Electropolished stainless steel	51036158	51036278
		100% pure copper	51036161	51036281
Expand your culturing capacity without increasing your lab footprint:				
Dual chamber with stacking adapter and roller base	TC180 sensor	Electropolished stainless steel	51036152DC	Stack two 255 incubators by combining two incubators with: • Roller Base (Cat. No. 50171157); and • Stacking Adapter (Cat. No. 50171746)
		100% pure copper	51036155DC	
	IR180Si sensor	Electropolished stainless steel	51036158DC	
		100% pure copper	51036161DC	
CultiMaxx Shelving System 255 L stainless steel models only, incubator sold separately	Increase vessel capacity and accessibility with specialized reinforced shelving	1 L cell culture bags	-	50166275
		4- or 5-layer culture vessels	-	50166268
		10- or 13-layer culture vessels	-	50166285
		G-Rex bioreactors	-	50164781
Get oxygen control with one of the following:				
Tri-Gas O₂ Control single incubator* • 165 model comes with 3 segmented inner door and 3 shelves • 255 model comes with 6 segmented inner doors and 6 half-width shelves	TC180 sensor, 1-21 % O ₂ Control	Electropolished stainless steel	51036514	51036518
		100% pure copper	51036515	51036522
	IR180Si sensor, 1-21 % O ₂ Control	Electropolished stainless steel	51036516	51036524
		100% pure copper	51036517	51036526
The Cell Locker System upgrades the incubator to include: enhanced airflow, and optimized shelving with 6 individual chambers. This unique configuration offers enhanced cell culture protection and security inside a CO₂ incubator. Individual Cell Locker Chambers to be purchased separately.				
Available for 165 IR180Si sensor models only	Incubator with 6 segmented inner glass doors	Electropolished stainless steel	51036536	-
		100% pure copper	51036537	-
Each unit fits up to 6 Cell Locker Chambers, ordered separately	Set of 6 Cell Locker Chambers with sliding tray and transport cover	Electropolished stainless steel	50151650X6	-
		100% pure copper	50154739X6	-

* Optional 5 - 90 % O₂ Control available as a factory installed option. Connect with a product specialist for more information. Product ships with 120 V cord and plug. Full options available in accessories and options pages.

Advanced incubation

Our most advanced Vios iDx CO₂ Incubators and accessories are designed to meet your discovery needs at the pace of innovation. Whether you need enhanced protection for valuable cultures, to scale up production quickly without expanding your incubator footprint, to move into a cleanroom, or produce a drug product with limited human intervention, we have an option to fit your purpose. So you're always ready for the next big thing.



Advanced incubation

Cleanroom incubation with Vios iDx CR CO₂ Incubators - CTS Series

These third-party certified, cleanroom compatible CO₂ incubators are designed for production of advanced therapies in ISO Class 5, GMP Grade A/B environments. They leverage all of the features previously outlined with our standard models, configured with our THRIVE Active Airflow, Steri-Run High Temperature Sterilization Cycle, IR180Si sensors, in-chamber HEPA filtration, active CO₂ control, variable oxygen control to simulate hypoxic (1-21% O₂) or hyperoxic (5-90% O₂) conditions. In addition, Vios iDx CR models - CTS Series feature:

- Independently evaluated design meets ISO Class 5 and GMP Grade A/B environments according to DIN EN ISO 14644-1 and VDI 2083 Part 9.1 in both standard operating and sterilization modes. Each individual unit is tested and certified for Grade A/B.
- Our exclusive active particle control system protects your cleanroom by capturing particulates from the incubator through sealed casing and external HEPA filtration system.
- Steri-Run High Temperature Sterilization Cycle reaches 180 °C with proven 12-log efficacy according to international pharmacopeias.
- Rugged design stands up to cleanroom cleaning procedures inside and out due to electropolished stainless steel inner chamber and sealed, brushed stainless steel exterior casing with IP54 compliance.
- Proven compatible with common GMP facility protocols and cleanroom procedures including STERIS™ dry process systems using vaporized hydrogen peroxide (VHP) biodecontamination technology.
- Active CO₂ control functionality automatically adjusts levels, removing excess CO₂ when released by large capacity cell culture systems to maintain the CO₂ set point.
- Connectivity-ready for data management including front-access USB port and 4-20 mA signal output or Gateway for OPC-UA for remote monitoring with external data collection solutions, ideal for GMP environments meeting CFR 21 compliance.
- CTS Series Factory Acceptance Test (FAT) documentation package with each unit, includes everything you need for your audit:
 - Regulatory certificates
 - Recommended protocols
 - Certificates of conformance, calibration, sensor calibration, and technical specifications
 - Third-party certificate of compatibility with ISO Class 5 and GMP Grade A/B cleanroom environments



[Learn about cleanroom certification](#)

[GMP cleaning & disinfection](#)

[Five reasons to use CTS series](#)

[Five reasons for a cleanroom CO₂ incubator](#)

Advanced incubation

Integration into automated laboratories with Vios iDx AD CO₂ Incubators

Leveraging the standard features and configurations of the Vios iDx 255 CO₂ Incubators, the Vios iDx AD CO₂ Incubator incorporates technologies that allow it to integrate into automated laboratories for scale-out production.

The added innovation of an automated door control means that our leading incubators bring their outstanding recovery and uniformity to emerging automated cell therapy production processes 24/7, 365.

- When integrated into a centralized system, the door can be operated without direct human contact, automatically opening and closing as programmed
- Simplified door design setup, well suited for robotic interface
- Automatic stop if an obstruction is encountered
- Protected, integrated humidity reservoir helps keep an optimal environment and minimizes contamination

The Vios iDx AD CO₂ Incubator also comes with unique factory-installed options for application and operation flexibility.

- Remote control and foot pedal configurations for assisted door opening
- Rear water supply access available for loading water reservoir in the back of the incubator
- Left swing door configuration
- Brushed stainless steel exterior



Vios iDx CO₂ advanced incubator specifications

	Vios iDx CR 165	Vios iDx CR 255	Vios iDx AD 255
Exterior housing	Brushed stainless steel exterior casing with IP54 compliance		Powder-coated cold-rolled steel or optional brushed stainless steel
External dimensions (w x h x d)	637 x 900 x 880 mm (25.1 x 35.4 x 34.7 in.)	774 x 969 x 934 mm (30.5 x 38.2 x 36.8 in.)	
Internal dimensions (w x h x d)	470 x 607 x 576 mm (18.5 x 23.9 x 22.7 in.)	607 x 670 x 629 mm (23.9 x 26.4 x 24.8 in.)	
Capacity	165 L (5.8 cu. ft.)	255 L (9.0 cu. ft.)	
Operating weight (without accessories)	82 kg (180.8 lbs.)	105 kg (231 lbs.)	
Shelving dimensions (w x d)	423 x 465 mm (16.7 x 18.3 in.)	560 x 500 mm (22.05 x 19.68 in.)	
Shelving no.	3 std. / 11 max., perforated, adjustable	3 std. / 12 max., perforated, adjustable	
Max. load per shelf	10 kg (22 lbs.) CU & SST models	10 kg (22 lbs.) CU models, 14 kg (30.9 lbs.) SST models	
Temperature control	±0.1°C		
Temperature range	3 °C above ambient to 55 °C		
Temperature uniformity	< ±0.3 °C		
Sterilization cycle temperature	180 °C on all internal surfaces		
Sterilization cycle duration	≤ 12 hrs.		
Cleanroom certification	ISO Class 5, GMP Grade A/B	No	
Constant humidity at 37 °C	High humidity mode: approx. 93 %, Low humidity mode: approx. 90 %		
CO ₂ control	± 0.1%		
Active CO ₂ control	Automatically included	Automatically included	Optional
CO ₂ range	0-20 %		
O ₂ control*	± 0.1%		Option: ± 0.1%
O ₂ range*	Option: 1-21% or 5-90%		Option: 1-21%

* O₂ control available as a factory-installed option.

All advanced Vios iDx CO₂ Incubator models come with IR180Si CO₂ sensor and a 4-20 mA data output.

All model variations can be stacked for additional capacity within the same lab footprint by purchasing stacking adapter kit ([see accessories table](#)).

Selecting a Vios iDx CO₂ Incubator for advanced incubation

Vios iDx CR CO₂ Incubators – 120 V

Ordering information

Configuration			Vios iDx CR 165 CO ₂ Incubators	Vios iDx CR 255 CO ₂ Incubators
			120 V, 50/60 Hz	
Single chamber	IR180Si sensor	Electropolished stainless steel	51036429	51036441
		100% pure copper	51036432	51036444
Expand your culturing capacity without increasing your lab footprint when you stack two incubators with a roller base and stacking kit:				
Low-profile roller base for stacked incubators			50173664	50173675
Stacking adapter kit			50173122	50173125
CultiMaxx Shelving System 255 L stainless steel models only, incubator sold separately	Increase vessel capacity and accessibility using specialized reinforced shelving	1 L cell culture bags	–	50166275
		4- or 5-layer culture vessels	–	50166268
		10- or 13-layer culture vessels	–	50166285
		G-Rex bioreactors	–	50164781
Select a single chamber CO₂ incubator with oxygen control:				
Tri-Gas O ₂ Control single incubator* • 165 model comes with 3 segmented inner door and 3 shelves • 255 model comes with 6 segmented inner doors and 6 half-width shelves	IR180Si sensor, 1-21 % O ₂ Control	Electropolished stainless steel	51036808	51036812
		100% pure copper	51036807	51036810
The Cell Locker System upgrades the incubator to include: enhanced airflow, and optimized shelving with 6 individual chambers. This unique configuration offers enhanced cell culture protection and security inside a CO₂ incubator. Individual Cell Locker Chambers to be purchased separately.				
Available only for CR 165 IR180Si sensor models only	Cleanroom incubator with 6 segmented inner glass doors	Electropolished stainless steel	51036978	–
		100% pure copper	51036976	–
Each unit fits up to 6 Cell Locker Chambers, ordered separately	Set of 6 Cell Locker Chambers with sliding tray and transport cover	Electropolished stainless steel	50151650X6	–
		100% pure copper	51054739X6	–

* Optional 5 - 90 % O₂ Control available as a factory installed option. Connect with a product specialist for more information. Product ships with 120 V cord and plug. Full options available in accessories and options pages.

Selecting a Vios iDx CO₂ Incubator for advanced incubation

Ordering information

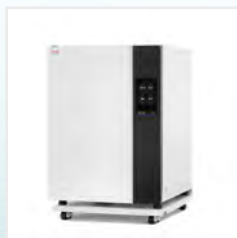
		Vios iDx AD 255 CO ₂ Incubators		
Integrate into an automated environment with use of a patent-pending automated incubator door operation.				
		120 V	230V	100V
IR180Si sensor, electropolished stainless steel chamber, 4-20 mA data output, remote operation		51036288	51036289	51036287
IR180Si sensor, electropolished stainless steel chamber, 4-20 mA output, foot pedal operation		51036285	51036286	51036284
Additional options and accessories for application flexibility and data monitoring:				
O ₂ Control (factory installed)	1 – 21 % O ₂		51901137	
CultiMaxx Shelving System increases vessel capacity with specialized reinforced shelving	1 L cell culture bags		50166275	
	4- or 5-layer culture vessels		50166268	
	10-layer culture vessels		50166285	
	G-Rex bioreactors		50164781	
OPC-UA Connectivity for connection to Distributed Control Systems and exchanging real-time and historical data			50168119	

Product ships with either 120 V, 230 V EU, or 100 V cord and plug.

Full options available in accessories and options pages.

Factory-installed options

	Vios iDx 165	Vios iDx 255	Vios iDx CR 165	Vios iDx CR 255	Vios iDx AD 255
Door hinge side					
Right hinge door configuration	included				
Left hinge door configuration	51900293		-		51900293
Outer casing material					
Powder-coated cold rolled steel	included		-		included
Brushed stainless steel	-		included		51901126
Inner door					
Single glass door	included		included		-
3-segment inner door	51901144	-	51901144	-	-
6-segment inner door	51901221	51901127	51901221	51901127	-
Shelving configurations					
6 half-width shelves each, stainless steel	-	51901123	-	51901123	-
6 half-width shelves each, copper	-	51901122	-	51901122	-
3 reinforced shelves with 3 clip bars for installation, stainless steel	51901375	51901377	51901375	51901377	-
3 reinforced shelves with 3 clip bars for installation, copper	51901374	51901376	51901374	51901376	-
O₂ Control					
1–21% O ₂ control	51901137				
5–90% O ₂ control	51901138				-



Factory-installed options, continued

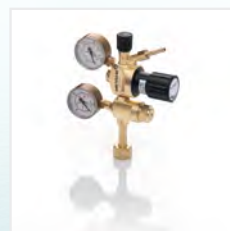
	Vios iDx 165	Vios iDx 255	Vios iDx CR 165	Vios iDx CR 255	Vios iDx AD 255
Combined options					
1-21% O ₂ control with 165 L: 3-segmented inner door and 3 shelves; 255 L: 6-segmented inner door and 3 shelves comprised of 2 half-shelves each (made of chamber material)	51901145	51901133	51901145	51901133	51901137
5-90% O ₂ control with 165 L: 3-segmented inner door and 3 shelves; 255 L: 6-segmented inner door and 3 shelves comprised of 2 half-shelves each (made of chamber material)	51901146	51901134	51901146	51901134	–
6-segment inner door, enhanced airflow and 3 Cell Locker System shelves*, stainless steel	51901222	–	51901222	–	–
6-segment inner door, enhanced airflow and 3 Cell Locker System shelves*, copper	51901223	–	51901223	–	–
Other					
Internal 4-20 mA analog data output	51901143		Included		
Active CO ₂ control	51901491		Included		51901491
Rear water access			–		51901521
Power cord options					
Switzerland			51900300		
Great Britain			51900303		
Italy			51900306		
Australia			51900449		
Denmark			51900481		
China			51900900		

* Cell Locker Chambers are not automatically included with the Cell Locker System configuration and are available as accessories.

All incubators ship with a standard power cord – 100 V, 120 V, or 230 V EU version. Additional power cord options fit 230 V models only.

Accessories

	Vios iDx 165	Vios iDx 255	Vios iDx CR 165	Vios iDx CR 255	Vios iDx AD 255
Support frames and stacking adapters					
Support frame for dual stack with castors, 182 mm height	50170980	–	–	–	–
Low-profile roller base for dual stack with castors, 85 mm height	50171152	50171157	–	–	50171157
Cleanroom-compatible low-profile roller base for dual stack with castors, 76 mm height	–	–	50173664	50173675	–
Support frame for single incubator, without castors, 780 mm height	50171568	50171747	50172676	50172677	50171747
Stacking adapter kit	50171244	50171746	50173122	50173125	50171746
Stacking adapter kit for stacking Vios iDx model on top of Heracell 150i	50148172	–	–	–	–
Stacking adapter kit for stacking Vios iDx model on top of Heracell 240i	–	50148175	–	–	50148175
O₂/CO₂ control accessories, including filters					
Replacement in-chamber HEPA filter			50141920		
Replacement pre-filter			50144774		
CO ₂ gas regulator, 2-stage, for gas tank			3429937		
N ₂ gas regulator, 2-stage for gas tank			3429942		
O ₂ gas regulator, 2-stage for gas tank			3429943		
External gas guard automatic change-over to reserve tank, 120 V, 50/60 Hz			50059043		
External gas guard automatic change-over to reserve tank, 230 V, 50/60 Hz			50046033		
Infrared gas tester with travel case, for advanced calibration and testing purposes for CO ₂ model			50121515		



	Vios iDx 165	Vios iDx 255	Vios iDx CR 165	Vios iDx CR 255	Vios iDx AD 255
O₂/CO₂ control accessories, including filters, continued					
Infrared tester for CO ₂ /O ₂			50145789		
Infrared gas tester interface kit			50122015		
5 inlet port filters for infrared testers			50060287		
Cell Locker System accessories					
Single Cell Locker Chamber with sliding tray and transport cover, stainless steel	50151650	–	50151650	–	–
Single Cell Locker Chamber with sliding tray and transport cover, copper	50154739	–	50154739	–	–
Set of 6 Cell Locker Chambers, stainless steel	50151650X6	–	50151650X6	–	–
Set of 6 Cell Locker Chambers, copper	50154739X6	–	50154739X6	–	–
Shelving					
Additional shelf, full width with 2 support rails for installation, stainless steel	50051909	50065793	50051909	50065793	50065793
Additional shelf, full width with 2 support rails for installation, copper	50051910	50065794	50051910	50065794	50065794
Reinforced clip bar shelf, stainless steel	50160246	50160234	50160246	50160234	50160234
Reinforced clip bar shelf, copper	50160247	50160245	50160247	50160245	50160245
Set of 4 HERAtrays, 1/4 width, stainless steel	–	50065807	–	50065807	50065807
Set of 4 HERAtrays, 1/4 width, copper	–	50065808	–	50065808	50065808
Set of 3 HERAtrays, 1/3 width, stainless steel	50051913	50065805	50051913	50065805	50065805
Set of 3 HERAtrays, 1/3 width, solid copper	50051914	50065806	50051914	50065806	50065806



	Vios iDx 165	Vios iDx 255	Vios iDx CR 165	Vios iDx CR 255	Vios iDx AD 255
Shelving, continued					
Set of 2 HERAtrays, 1/2 width, stainless steel	50058672	–	50058672	–	–
Set of 2 HERAtrays, 1/2 width, copper	50061050	–	50061050	–	–
Set of 2 HERAtrays, 1/2 width, stainless steel	–	50065809	–	50065809	50065809
Set of 2 HERAtrays, 1/2 width, copper	–	50065810	–	50065810	50065810
CultiMaxx Shelving System					
Set of 8 shelves to support up to 116 1 L cell culture bags	–	50166275	–	50166275	50166275
Set of 5 shelves to support up to ten 4- or 5-layer culture vessels, such as Thermo Scientific™ Nunc™ Cell Factory™ Systems	–	50166268	–	50166268	50166268
Set of 3 shelves to support up to six 10- or 13-layer culture vessels, such as Nunc Cell Factory Systems	–	50166285	–	50166285	50166285
Set of 3 shelves to support up to ten G-Rex 500M-CS bioreactors	–	50164781	–	50164781	50164781
Monitoring accessories					
Door lock retrofit kit, key entry, to prevent unauthorized access	50145438				--
OPC-UA gateway	50168119				
Shakers for CO₂ incubators					
CO ₂ Resistant shaker, 19 mm, with universal platform and flask clamp starter kit, 100 - 120 V	88881103				
CO ₂ Resistant Shaker, 3 mm, with universal platform and flask clamp starter kit, 100 - 120 V	8881103B				
CO ₂ Resistant shaker, 19 mm, with universal platform and flask clamp starter kit, 220 - 240 V	88881104				
CO ₂ Resistant Shaker, 3 mm, with universal platform and flask clamp starter kit, 220 - 240 V	88881104B				



See accessories

Start-up and compliance services

Invest in a Vios iDx CO₂ Incubator and you can benefit not just from top-tier cell expansion performance, but from the confidence that comes with knowing you're ready to tackle whatever challenges tomorrow may bring. And sometimes that's about more than just technology. With Unity™ Lab Services, you'll have access to exceptional support service experts for help, whenever you need.

From start-up support to comprehensive service plans and compliance solutions, your support package can help you meet your individual research needs.

[See service plans](#)





Evolve. Expand. Excel.

Thermo Scientific Vios iDx CO₂ Incubators

Learn more at thermofisher.com/viosidx