



**CO<sub>2</sub> Incubators**

**Evolve. Expand. Excel.**  
**Vios iDx CR CO<sub>2</sub> Incubators—CTS Series**

As a cell scientist shaping the future of human health, ensuring the integrity of your work is paramount. Thermo Scientific™ Vios™ iDx CR CO<sub>2</sub> Incubators—CTS Series are third-party certified, cleanroom compatible and are designed for production of advanced therapies in ISO Class 5, GMP Grade A/B environments.

**Proven performance and protection for sensitive cell cultures**

- 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 a rear-mounted HEPA filtration system
- 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 cleanroom-like air quality within only 5 minutes after a 30-second door opening

**Designs that are ready for where your discoveries take you**

- High quality in-chamber infrared sensors for CO<sub>2</sub>, temperature, and optional O<sub>2</sub> enable fast reactions to help maintain desired conditions
- Active CO<sub>2</sub> control functionality automatically adjusts levels, removing excess CO<sub>2</sub> when released by large capacity cell culture systems to maintain the CO<sub>2</sub> set point

- Protected, integrated humidity reservoir helps keep an optimal environment and minimizes contamination
- Ergonomic door design to make routine loading, unloading, and checking on cultures easier than ever
- Rugged design stands up to cleanroom cleaning procedures inside and out due to electropolished stainless steel inner chamber and brushed stainless steel, sealed exterior casing with IP54 rated electronics
- Proven compatible with common GMP facility protocols and cleanroom procedures including STERIS™ dry process vaporized hydrogen peroxide (VHP) biodecontamination technology

**Seamless operations in modern labs**

- 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
- Large 7-in. touchscreen display for quicker at-a-glance monitoring of chamber conditions
- CTS Series Factory Acceptance Test (FAT) documentation package with each unit, includes everything you need for your audit
- Shelving options include reinforced shelves for large vessels, Thermo Scientific™ Cell Locker™ Systems for protection, and Thermo Scientific™ CultiMaxx™ Systems to support scale-up



Vios iDx CR CO<sub>2</sub> Incubators are certified cleanroom compatible. These incubators feature a brushed 304 stainless steel exterior, fully sealed casing and ingress protection fifty-four (IP54) rated electronics. An IP54 rating means these models are resistant to ingress from dust and dirt, and from liquid sprays and spills. The rear of the unit has an additional HEPA filtration system to support active particle control.

**Ordering information for Thermo Scientific Vios iDx CR CO<sub>2</sub> Incubators—CTS Series**

			Vios iDx CR 165 CO <sub>2</sub> Incubators	Vios iDx CR 255 CO <sub>2</sub> Incubators	
			120 V, 50/60 Hz		
Configuration	Single chamber	IR180Si sensor	Electropolished stainless steel	51036429	51036441
			100% copper	51036432	51036444
<b>Expand your culturing capacity without increasing your lab footprint when you stack two incubators with a roller base and stacking kit:</b>					
Low-profile roller base for stacked incubators			51073664	51073675	
Stacking adapter kit			51073122	51073125	
<b>Select a single chamber CO<sub>2</sub> incubator with oxygen control:</b>					
<b>Tri-Gas O<sub>2</sub> Control single incubator</b>		IR180Si sensor, 1-21 % O <sub>2</sub> Control	Electropolished stainless steel	51036808	51036812
<ul style="list-style-type: none"> <li>• 165 model comes with 3 segmented inner door and 3 shelves</li> <li>• 255 model comes with 6 segmented inner doors and 6 half-width shelves</li> </ul>			100% pure copper	51036807	51036810
<b>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 CO<sub>2</sub> incubator. Individual Cell Locker Chambers to be purchased separately.</b>					
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	—

Factory installed options including O<sub>2</sub> control are available upon request. Ask your representative about accessories including stands, HEPA filters, and additional shelving.

Learn more at [thermofisher.com/cleanroomco2](https://thermofisher.com/cleanroomco2)

**thermo** scientific