



## **Thermo Scientific Midi 40 Small Capacity CO<sub>2</sub> Incubator**

*Conveniently sized for single user applications*

# Midi 40™

Small Capacity CO<sub>2</sub> Incubator



## Just the right size for your applications – and your bench top

The Thermo Scientific Midi 40 CO<sub>2</sub> incubator is designed specifically for cell culture scientists who require a compact culturing workspace to handle small workloads, perform personal use applications, or simply address limited space environments.

With its 1.4 cu ft (40 L) capacity, the Midi 40 adds a new dimension to the Thermo Scientific portfolio of leading CO<sub>2</sub> incubation solutions. It delivers the performance and capabilities of full-sized incubators in a space-saving footprint, ideal for those who wish to avoid shared-use environments that can present potential contamination risk through unnecessary sample handling and repeated door openings.



▶ **Easy to operate and economical to own, the fully featured Midi 40 offers remarkable value in a small footprint.**

### ***The Midi 40 includes:***

***Advanced IntrLogic™ II microprocessor:*** bright digital display and intuitive touchpad for simplified entry of temperature, CO<sub>2</sub> and alarm data, with keyed setpoint switch to prevent unauthorized changes to your operating parameters.

***Stainless steel culture chamber:*** seamless, non-corrosive and exceptionally easy to clean. The Midi 40 is provided with four removable shelves.

***Highly efficient direct heating design:*** provides even heat distribution to all sides of the chamber, for accurate control and uniformity.

***Precise and reliable CO<sub>2</sub> control:*** featuring accurate thermal conductivity sensor located directly in the chamber, ensuring responsive control and long service life.

***Removable water reservoir:*** generates relative humidity values up to 95% with rapid recovery rates that promote optimal cell growth.

***Tempered inner glass door:*** provides sample security while preventing unwanted condensation.

***Convenient data communication:*** RS-485 signal output is standard, in addition to audible and visual alarm functions to ensure proper operations.

*Designed to meet your requirements  
for a small, personal workspace*

**The Midi 40 can benefit your lab by:**

- ▶ **Minimizing culture disturbance:**  
As a single-user alternative, the Midi 40 eliminates the need for shared-use culturing and the impact on your samples from multiple user access and frequent door openings
- ▶ **Preventing cross contamination:**  
The Midi 40 makes it cost-effective to dedicate incubator space to specific cell lines and individual research studies, when separation of samples and culture types is essential
- ▶ **Conserving bench top space:**  
Small and economical, add culturing capacity to crowded labs or reduce operational costs with an incubator that is properly sized for your small throughput needs, capable of storing up to 35 T75 culture flasks







**Thermo Scientific Midi 40  
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Technical Specifications		
<b>Dimensions</b>		
Exterior (w x h x d) inch/cm	23.5 x 18 x 18.5 (60 x 46.5 x 47)	
Interior (w x h x d) inch/cm	14 x 14 x 12 (35.5 x 35.5 x 30.5)	
<b>Construction</b>		
Cabinet configuration	bench top	
Interior	non-corrosive stainless steel, type 304, mirror finish	
Interior volume	1.4 cubic feet (39.6 L)	
Exterior	18 gauge, cold rolled steel, high impact painted finish	
<b>Shelves</b>		
Construction	stainless steel, perforated	
Shelf dimensions (w x d) inch/cm	13.5" x 11.5" (34.3 x 29.2)	
Surface area per shelf	1.08 sq. ft. (0.1 sq m)	
<b>Temperature</b>		
Range	5°C above ambient to 60°C	
Control accuracy	± 0.1°C	
Uniformity	± 0.4°C @ 37°C	
Alarm	user programmable high/low	
<b>CO<sub>2</sub></b>		
Range	0-20%	
Control accuracy	± 0.1%	
Sensor	long life thermal conductivity sensor	
Uniformity	0.10%	
Inlet pressure required	15 PSIG (1.0 bar), 99.5 medical grade CO <sub>2</sub>	
Inlet air filtration	0.3 micron antimicrobial filter	
Alarm	user programmable high/low	
<b>Humidity</b>		
rH	to 95% @ 37°C	
Source	humidity pan, removable	
<b>Electrical</b>		
Rated voltage	120V, 60 Hz	230V, 50/60 Hz
Amps/breaker	1.5/15	1.0/15
<b>Weight</b>		
Net	60 lbs (27 kg)	
Shipping	70 lbs (32 kg)	
Warranty	1 year	

All specifications subject to change without notice.

Ordering Information	
Cat. No.	Description
3403	Thermo Scientific Midi 40 Small Capacity CO <sub>2</sub> Incubator, 120 V, 60 Hz
3404	Thermo Scientific Midi 40 Small capacity CO <sub>2</sub> Incubator, 230V, 50/60 Hz



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