



WORLD CLASS. WORLDWIDE.

CelCulture®

CO₂ Incubator with Stainless Steel Exterior Cabinet

- Corrosion Resistant Surface
- Meets Pharmaceutical and Clinical Laboratory Requirements



ORDERING INFORMATION

TC SENSOR MODEL WITH STAINLESS STEEL EXTERIOR CABINET

Models	Description
CCL-050A-8-SS	CelCulture® Incubator, 50 L, TC sensor, CO ₂ Control, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz
CCL-170A-8-SS	CelCulture® Incubator, 170 L, TC Sensor, CO ₂ Control, ULPA, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz
CCL-240A-8-SS	CelCulture® Incubator, 240 L, TC Sensor CO ₂ Control, ULPA, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz

IR SENSOR MODEL WITH STAINLESS STEEL EXTERIOR CABINET

Models	Description
CCL-050B-8-SS	CelCulture® Incubator, 50 L, IR sensor, CO ₂ Control, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz
CCL-170B-8-SS	CelCulture® Incubator, 170 L, IR Sensor, CO ₂ Control, ULPA, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz
CCL-240B-8-SS	CelCulture® Incubator, 240 L, IR Sensor CO ₂ Control, ULPA, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz

SUPPRESSED O₂ MODEL WITH STAINLESS STEEL EXTERIOR CABINET

Models	Description
CCL-050T-8-SS	CelCulture® Incubator, 50 L, IR sensor, CO ₂ & O ₂ Control, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz
CCL-170B-8-SS	CelCulture® Incubator, 170 L, IR Sensor, CO ₂ & O ₂ Control, ULPA, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz
CCL-240B-8-SS	CelCulture® Incubator, 240 L, IR Sensor, CO ₂ & O ₂ Control, ULPA, Moist Heat Decon, SS Cabinet, 230 VAC, 50/60 Hz

GENERAL SPECIFICATIONS

CELCULTURE® CO₂ INCUBATORS

	CCL-050_ _ -SS	CCL-170_ _ -SS	CCL-240_ _ -SS
Temperature			
Temperature Control Method	Direct heat & air jacket using Microprocessor PID		
Temperature Range	Amb. +3°C to 60°C		
Temperature Uniformity	<± 0.2°C*	<± 0.2°C*	<± 0.3°C*
Temperature Accuracy	<± 0.1°C		
Recovery Time** (after 1 min. door opening, 98% from initial value)	4 minutes	6 minutes	6 minutes
Ambient Temperature Range	18 to 34°C (64 to 93°F)		
CO₂			
CO ₂ Control System	Microprocessor PID		
CO ₂ Range	0-20%		
CO ₂ Accuracy	± 0.1%		
CO ₂ Sensor	Infrared (IR) Sensor*** / TC Sensor		
CO ₂ Recovery Time**** (after 1 min. door opening, 98% from initial value)	Standard Unit: 8 minutes Suppressed O ₂ model: 8 minutes	Standard Unit: 4 minutes Suppressed O ₂ model: 5 minutes	Standard Unit: 5 minutes Suppressed O ₂ model: 5 minutes
O₂ Specs (For Suppressed O₂ Model)			
O ₂ Control System	Microprocessor PID		
O ₂ Range	1-20.7%		
O ₂ Accuracy	± 0.1%		
O ₂ Sensor	Galvanic Cell Type		
O ₂ Recovery Time (after 1 minute door opening)	at 1.0% O ₂ by volume: 10 minutes	at 1.0% O ₂ by volume: 20 minutes	at 1.0% O ₂ by volume: 24 minutes
	at 5.0% O ₂ by volume: 6 minutes	at 5.0% O ₂ by volume: 10 minutes	at 5.0% O ₂ by volume: 12 minutes
Humidity			
Humidification Method	Humidity pan		
Humidity Range*****	85% - 93% RH		
Humidity Range (Suppressed O ₂ Control)*****	85% - 91%		
Physical Construction			
Interior Volume	50 L (1.8 cu. ft.)	170 L (6.0 cu. ft.)	240 L (8.5 cu. ft.)
External Dimensions (W x D x H)	500 mm x 500 mm x 655 mm (19.7" x 19.7" x 25.8")	660 mm x 660 mm x 900 mm (26.0" x 26.0" x 35.4")	750 mm x 665 mm x 900 mm (29.5" x 26.2" x 35.4")
Internal Dimensions (W x D x H)	345 mm x 375 mm x 390 mm (13.6" x 14.8" x 15.4")	505 mm x 530 mm x 635 mm (19.9" x 20.9" x 25.0")	595 mm x 620 mm x 635 mm (23.4" x 24.4" x 25.0")
Shipping Weight	70 kg (154.3 lbs)	120 kg (264.6 lbs)	155 kg (341.7 lbs)
Shipping Dimensions (W x D x H)	660 mm x 660 mm x 890 mm (26.0" x 26.0" x 35.0")	850 mm x 720 mm x 1150 mm (33.5" x 28.3" x 45.3")	860 mm x 830 mm x 1110 mm (33.9" x 32.7" x 43.7")
Number of Shelves	3	4	4
Maximum No. of Shelves	4	7	7
Shelves Area (W x D)	310 mm x 310 mm (12.2" x 12.2")	470 mm x 470 mm (18.5" x 18.5")	550 mm x 550 mm (21.7" x 21.7")
Max. Load per Shelf	4 kg/shelf (8.8 lbs/shelf)	11 kg/shelf (24.3 lbs/shelf)	15 kg/shelf (33.1 lbs/shelf)
Available Electrical Configuration	220 - 240 VAC, 50/60 Hz, 1ϕ, 3.4 A		
	110 - 130 VAC, 50/60 Hz, 1ϕ, 7.0 A		
Maximum Power Consumption	372 Watts	800 Watts	1100 Watts
Power Consumption 37°C	37 Watts	80 Watts	110 Watts
Interior Material	Stainless steel, type 304		
Contamination Control			
Contamination Control Methods	1) Moist 90°C OVERNIGHT decon cycle (HPA validated) 2) 0.2 micron in-line filter for gas inputs 3) ULPA filter*****		

* Data recorded under optimum factory setting conditions

** For temperature not exceeding 37°C

*** For CO₂ not exceeding 5.2%. Recovery time for TC sensor is longer

**** For O₂ not exceeding 5.2%

***** Esco does not guarantee condensation free chamber at higher humidity level.

***** Not available on 50 L size model



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