

Technical Data Sheet

CO2 Incubator

Kendro Laboratory Products, Inc., Asheville, North Carolin

Specifications	Model Number	
	RTG5000D-9A	
	Application, Rating and Electrical Data	
Application	General and CO2/O2 Cellular Incubation	
Storage Volume	5.8 ft ³ (164 L) PER CHAMBER, 2 chambers	
Heat Distribution	Water Jacket	
Temperature Rating	+5°C above Ambient to 60°C	
Humidity	Passive, Up to 96% with in-chamber humidity pan	
Gases	Automatic control, CO2 range 0% to 20%; O2 range 1% to 40%	
Electrical Power	115 Volts Single Phase 60 Hz.	
Rated Amps/Breaker	3.0 + 3.0 / 15A	
Power Plug/Power Cord Length	TWO POWER CORDS, 5-15P / 10' & 13 ft (3 & 4m)	
Sound Pressure Level (dBA)	N/A	
Agency Listings	UL	
Indoor/Outdoor Usage	Indoor Use Only	
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Stable Air Ventilation, 59° F-90° F (15-32°C)	
	Control Features	
Controller Viewing Direction	Above & Below Eye Level, EasyView vacuum fluorescent display	
Power Switch	Keyed Off-On-Alarm for each Chamber	
Controller Type	Microprocessor-Based IntrlLogic™ Control for each Chamber	
Setpoint Security	Standard	
Programmable Setpoint	Standard	
Temperature Control Sensors	Control RTD in Water Jacket with Display RTD in Chamber	
Temperature Display	Standard, continuous for each Chamber	
Gas Control Sensors	Inferred for CO2; Electrochemical Solid Membrane for O2	
Gas Supply Tank Switcher	Standard for each Gas in each Chamber	
CO2 & O2 Concentration Display	Standard, continuous for each Chamber	
Humidity Display	Standard, selectable for each Chamber	
Data Logging	Standard, RS485 Protocol and IncuSoft Software - Additional Cable and Adapter required	
Remote Alarm Terminals	Standard for each Chamber	
Adjustable Warm/Cold Alarms	Standard for each Chamber	
Adjustable Ambient Alarms	Standard for each Chamber	
Adjustable Gas Alarms	Standard for each Chamber	
Power Failure Alarm	Standard for each Chamber	
Battery back-up for Alarm	Standard for each Chamber	
	Biological Features	
Corner Cleaning	Seamless Rounded Chamber Corners for each Chamber	
Gas Supply Filter	Standard for each gas, consumable for each Chamber	
Gas Sample Port	Standard in Center of Glass Door for each Chamber	
In-Chamber HEPA Filter	Standard, consumable for each Chamber	
	Dimensions and Construction	
Interior Dimensions:	28.1"H x 17.9"F-B x 20"W (714mm x 455mm x 508mm) for each Chamber	
Exterior Dimensions:	80.5"H x 25.5"F-B x 25.6"W (2045mm x 648mm x 650mm) for Total Cabinet	
Insulation	2" (51mm) Fiberglass	
Inner Door	Standard, Tempered for each Chamber	
Porthole Access	Standard, 1.5" diameter (38mm) in rear wall for each Chamber	
Heat	Electric	
Shelves / Capacity	5 Adjustable Perforated Stainless Steel / Maximum 24; for each Chamber	
Level Legs	Standard	
Ship Weight	550 lbs. / 249 kg.	
Operating Weight	720 lbs. / 327 kg.	
Other Options	Reversible Door, Extra Shelves; Caster Doll	
	Performance Characteristics	
Gas:	Temperature:	Sensitivity: +/- 0.1°C
Sensitivity: 0.1% CO2	Ambient: 25°C / 50% RH	Stability: +/- 0.1°C
Stability: +/- 0.1% CO2	Load: Empty	Uniformity: +/- 0.4°C
Range: 0 to 20% CO2	Sensor weighting: None	Avg. heat rejection: 1800 Btu/hr
Sensitivity: 0.1% O2		
Stability: +/- 0.1% CO2		
Range: 1 to 40% O2		
<p>1) Performance is nominal and individual units may vary.</p> <p>2) Incubator performance will differ due to product amount, product size and operating conditions.</p> <p>3) Continuous product enhancements may, without notice, result in amendments or omissions to this specification. Kendro Laboratory Products cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.</p>		