

SPECIFICATIONS

Name	CO ₂ Incubator
Model	MCO-17AIC
External dimensions	W620 x D685 x H900 (mm)
Internal dimensions	W490 x D505x H665 (mm)
Effective capacity	164 L
Exterior	Acrylic finish baked on zinc galvanized steel
Interior	Stainless steel containing copper
Outer door	Acrylic finish baked on zinc galvanized steel
Inner door	Tempered glass
Tray	5 trays made of stainless steel containing copper W450 x D450 x H10 (mm), Maximum load; 10 kg/tray
Access port	Inner diameter; 30 mm, On the back side
Insulation	Rigid polyurethane foamed-in place (CFC-FREE)
Heating system	DHA system (heater jacket + air jacket system)
Heater	389 W
Humidifying system	Natural evaporation with humidifying pan
Temperature controller	PID control
Temperature display	Digital display
CO ₂ controller	ON-OFF control system
CO ₂ density display	Digital display
Air circulation	Stir up of breeze
Air filter	0.3 μ m, Efficiency; 99.97%
Alarm	Temperature alarm, CO ₂ density alarm, Upper limit temperature alarm, Door alarm
Remote alarm contact	Allowable contact capacity: DC 30V, 2A
CO ₂ connecting inlet	4 to 6 mm diameter tube
CO ₂ pressure	0.03 Mpa (0.3 kg/cm ²)
Accessories	5 trays, 5 sets of tray support, 1 gas tube, 1 humidifying pan
Weight	91 Kg
Optional component	CO ₂ pressure regulator (MCO-100L), Stainless tray (MCO-45ST), Stack kit (MCO-17PS)

Note: Design or specifications will be subject to change without notice.

PERFORMANCE

Usable environment condition	Temperature; +5°C to 35°C, Humidity; equal or less than 80% R.H.
Temperature control range	Ambient temperature +5°C to 50°C (ambient temperature; 5°C to 35°C)
Temperature distribution	±0.2°C* (ambient temperature; 25°C, setting; 37°C, 5%, no load)
Temperature variation	±0.1°C (ambient temperature; 25°C, setting; 37°C, 5%, no load)
CO ₂ control range	0 to 20%
CO ₂ variation	±0.15% (ambient temperature; 25°C, setting; 37°C, 5%, no load)
Chamber humidity	95±5% R.H.
Maximum power consumption	440 W
Total maximum current	3.7 A (AC 110 to 120 V), 1.8 A (AC 220 to 240 V)
Maximum heat emission	1584 kJ/h
Noise level	33dB (A scale)

Note : The unit with CE mark complies with EC directives 89/336/EEC, 93/68/EEC and 73/23/EEC.

* It is based on our measuring method.