KOLVA Temperature - Humidity Test Chamber

LCD Touch Screen

Download Catalogue

The COLO KOLVA Climate Humidity Chambers, are designed to be the ultimate device in your laboratory where you can, under precise temperature conditions, cultivate bacteria for microbial testing, incubating of cell cultures for in vitro fertilization...
Precision temperature sensor, programmable thermo controller, interior and exterior made of high quality materials, will give your work precision and comfort....
Forced air circulation microprocessor controlled, provide high temperature uniformity in chamber and protect your samples. Corrosion resistant material is ideal for easy cleaning and long term exploitation. The short heating up time saves your time during the work process. High quality insulation prevents heat loss and saves your energy.

Temperature, Humidity
0 - 65°C / with humidification 10 - 65°C, Humidity range 35%-90% RH

Forced Air Circulation

Programming
30 Segments Program Control

High Temperature Uniformity

Parameter Control by Wi-Fi
.. Optional control working parameter by Smart Phone

Please note
If this Test Chamber match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

Incubator Type	KOLVA-C70	KOLVA-C150	KOLVA-C270	KOLVA-D70	KOLVA-D150	KOLVA-D270
Volume Litter	70	150	250	70	150	250
Air Circulation	Forced Air Circulation (Convection)					
Temperature range	0 - 65°C / with humidification 10 - 65°C					
Temperature resolution	0,1°C					
Temperature uniformity	1°C					
Temperature motion	High Temp. : ±0.5℃ Low Temp. : ±1℃					
Humidity range	35%～90%RH					
Humidity stability	±3%RH					
Humidifying method	Ultrasonic					
Display controller	30 segments program control			30 segments program control, Real time curve of temperature and humidity		
Display type	Large screen colour LCD			LCD touch screen		
Temperature control mode	Two temperature section PID intelligent, sensor deviation correction, self tuning,					
Ramp programming 30 steps	○	○	○	●	●	●
Monitor timer	○	○	○	●	●	●
Timer	0-9999min with timing wait function					
Test hole	Ø52mm					
Housing	Cold rolling still with electro static spraying exterior					
Temperature sensor	Pt100					
Humidity sensor	High precision anti-condensation					
Built in UV germicidal lamp	Yes					
Inner chamber light	Yes					
Controlled external power supply	Universal socket (one)					
Inner glass observation window	Yes					
Auto fan speed regulation	Yes					
Self diagnostic function	Yes					
Independent temperature safety	X			Yes		
Operation function	Temperature settings, timing function, auto stop, internal parameter locking, temperature correction, auto tuning, parameter memory in the case of electrical cut off, over temperature sound and light alarm					
Standard shelf number	2					
Optional shelf number (max)	9	12	18	9	12	18
Load per shelf (max)	15kg					
Voltage	220V/50-60Hz					
Power	1.8kW	2.0kW	2.2kW	1.8kW	2.0kW	2.2kW
Inner water proof socket	○	○	○	●	●	●
Inner chamber size W*L*H mm	420*350*500	500*500*600	600*500*840	420*350*500	500*500*600	600*500*840
NV/GV kg	69/92	86/114	100/139	69/92	86/114	100/139
Standard Temperature Certificate (optional)	At 40°C in the chamber centre Issued by COLO technical service					
Temperature certificate (optional)	One or multi point temp, mapping, issued by accredited laboratory					
Optional accessories	Shelf, RS485 interface, Printer, Program Temperature Control device, Remote control, Wi-Fi remote control, Temperature Controller with ramp settings, USB data storage, Touch Screen Display, Smart Phone…					