BioLAB

CLIMATIC CHAMBER BER-2502

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CLIMATE CHAMBER WITH HUMIDITY CONTROL PLANT GROWTH CHAMBER

1. Double door structure, with high quality stalinite to observe sample.
2. 7.0 inch true color touch screen display, convenient to view historical temperature data and
Appointment auto start and stop.
3. Full spectrum multi-stage adjustable multiple levels, 30 sections programmed Temp. LUX
and RH controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long
service life, removable Light partition, adjustable layer space.
5. Internal humidification system. Small humidifier particles, high humidity uniformity, small water

SPECIFICATIONS

Model	BER-2502
Cycle Mode	Forced convection, Rear micropore. Supply air in front of the plate
Function	
--Temp. Range	Without illumination: 5 - 65℃; With illumination: 10 - 65℃
--Temp. Resolution Ratio	0.1℃
--Temp. Motion	±0.5℃
--Temp. Uniformity	±1.0℃
--Illumination (LX)	Full spectrum 0-30000LX many degrees for adjusting
--Humidity Range	40% ~ 95% RH
--Humidity Motion	±5% RH
Structure	
--Inner Chamber	SUS304 stainless steel sheet
--Outer Shell	Cold rolling steel electrostatic spraying exterior
--Thermal Insulation Material	Polyurethane
--Light Barrier	Standard four-layer full spectrum LED lamp board
--Heater	Stainless steel heating tube
--Power Rating	2.2kW
--Compressor	Imported air-cooled sealed compressor
--Coolant	R134a
--Defrosting Structure	Automatic
--Humidity Control Mode	Automatic
--Leading Wire Hole	The outer diameter of standard inflation port interface is 10mm
Controller	
--Temp. Control Mode	30 sections program
--Temp. Setting Mode	Touch screen settings
--Temp. Display Mode	7.0 inch true color touch screen display
--Operation Function	Fixed temperature operation, timing function, auto stop, Appointment start, Program operation
--Program Pattern	Standard configuration
--Sensor	PT100 Temp. Sensor, Imported chip humidity sensor

--Additional Function	Appointment start/off, Historical temperature and humidity data curve query, U-disk data storage and export, deviation correction, Menu key locking, power failure compensation, power failure memory, loop self diagnosis, intelligent defrosting
Safety Device	Over temperature will automatically cut off the heating, long-term under temperature cut off the refrigeration system, protect the sample; loop self diagnosis
Specification	
--Inner Chamber Size (W*L*H)(mm)	630*580*960
--Exterior Size (W*L*H)(mm)	824*806*1720
--Packing Size (W*L*H)(mm)	943*923*1960
--Volume	350L
--Load Per Rack	15kg
--Shelf Space	120mm
--Supply (50/60Hz) Current Rating	AC220V/5.0A
--NW/GW (kg)	260/300
Accessory	
--Shelf	4
--Shelf Plate	8
Optional Accessories	Light barrier, USB interface and upper computer software, printer, wireless SMS alarm, CO2 concentration control
Alt Name	Climate Chamber with Humidity Control Plant Growth Chamber

FEATURES

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3. Full spectrum multi-stage adjustable multiple levels, 30 sections programmed Temp. LUX and RH controller.
4. Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable Light partition, adjustable layer space.
5. Internal humidification system. Small humidifier particles, high humidity uniformity, small water consumption, with automatic water intake, water shortage alarm function.
6. The evaporator temperature is collectively controlled by the backflow valve and expansion valve, greatly prolonging the service life of the compressor.
7. Imported high quality temperature sensor and compressor.

APPLICATIONS

Light culture of microorganism, cell tissue, seedling, insect and small animal under the control pf precise humidity.