

Controlled Environment Chamber

To create replicated environmental conditions

Controlled Environment Chambers are used to create replicated environmental conditions for research sample growth and testing through temperature, humidity, CO₂, O₂ Gas and lighting control.

Application/Features

- Multi-purpose Chamber Stability Testing.
- Seed Germination.
- Tissue Culture.
- Algae.
- Arabidopsis.
- Plant Growth.
- Bacterial Culturing.
- Drosophila Research, Insect.
- Reptile rearing and Research.

*Heating Cooling
&
Humidity Control*

Scalable Customizable Options

- Air Heating , 6 Side Heating , Water Jacked.
- Ultrasonic Humidifier.
- Steam Generator Humidifier.
- Ultrasonic Humidifier and Dehumidifier.
- CO₂ control. - Co₂ Incubator Mode
- O₂ Control. - Hypoxia Incubator Mode.
- N₂ Control. - Tri-Gas Incubator Mode.
- CO₂ removal system.
- Dimmable Natural lighting / Grow Lighting .
- Convenience receptacles.
- Extended temperature 2 to 70°C.



Model	LM-EVU-100B	LM-EVU-150B	LM-EVU-200B	LM-EVU-250B	LM-EVU-400B
Capacity (L)	100	150	200	250	400
Control Type	Microcomputer PID controller				
Temp. Range	0~60°C				
Temp. Fluctuation	±0.5°C				
Temp. Uniformity	±1.0°C (at 37 °C)				
Humidity Range	50~95%RH				
Humidity Fluctuations	±3~±5% RH				
Humidification Method	Built-in humidification system				
Refrigeration System	Famous brand compressor, R134a				
Heating System	Stainless steel heater				
Time Setting (h)	0~999:59				
Power Supply	AC220V±10%, 50Hz (Standard); AC110V±10%, 60Hz (Optional)				
Material	External cold-rolled steel with painting; Internal stainless steel				
Shelves	2 pcs/ adjustable				
Accessory	Standard: USB port / Testing port				
	Optional: UV lamp / BOD Socket / Printer				
Consumption	1200W	1200W	1400W	1500W	1700W
Internal Size(W*D*H) mm	500*350*580	550*401*690	600*450*750	660*450*850	658*500*1238
External Size(W*D*H) mm	644*647*1170	690*697*1270	742*743*1340	802*743*1440	845*800*1805
Packing Size(W*D*H) mm	770*795*1330	820*820*1450	880*880*1520	945*880*1720	995*940*1905
Net Weight (kg)	98.5	115	120	135	200
Gross Weight (kg)	117	135	148	165	235

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