

# CLASS I BIOLOGICAL SAFETY CABINETS



# CLASS I BIOLOGICAL SAFETY CABINETS

Class I biological safety cabinets are basic cabinets that are used to protect personnel from exposure to biohazards and cross-contamination. In these cabinets, airflow is not recirculated and it flows away from the operator under negative airflow pressure. It has HEPA filters joined at the exhaust outlet.

Used in Microbiological, Laboratory, Genetics, Cell Biology, Molecular Biology, Plant, Animal Cell culturing, Research.

## LTCBS8 CLASS I BIOLOGICAL SAFETY CABINET

Stainless Steel 304 table for operation

HEPA Filter protects environment by filtering air before it is exhausted

UV lamp for sterilization

Soft touch control panel with LCD display

Stable air flow system providing personnel and environmental protection

Negative air pressure provides personnel protection by constant movement of air in working area

Low noise and high energy efficiency for operational cost savings



## SPECIFICATIONS

Model	LTCBS8-1	LTCBS8-2	LTCBS8-3	LTCBS8-4
Type	Class I			
HEPA Filter	99.995% efficiency at 0.3 μm			
Air Flow Velocity	>0.3 m/s	0.75 ~ 1.0 m/s	>0.3 m/s	0.75 ~ 1.0 m/s
UV Lamp	15Wx1 Emission of 253.7 nanometers for most efficient decontamination	20Wx1 Emission of 253.7 nanometers for most efficient decontamination	20Wx1 Emission of 253.7 nanometers for most efficient decontamination It has UV timer function and the display could indicate the UV life	
Illuminating Lamp	4Wx1 LED lamp	8Wx1 LED lamp		12x2 Fluorescent lamp
Main body construction	PMMA		Cold-rolled steel with anti bacteria powder coating, tempered glass	
Work Table	304 Stainless Steel			
Work Surface Height	/			750 mm
Caster	/			Universal Caster
Noise	≤60dB	≤55dB	≤60dB	≤67dB
Standard Accessory	LED lamp, UV lamp x2			Fluorescent lamp, UV lamp x2, Base stand
Optional Accessory	Electric Height adjustable base stand			
Internal Size (WxDxH)	540x385x440 mm	680x540x500 mm	800x635x600 mm	968x625x630 mm
External Size (WxDxH)	550x395x730 mm	700x550x900 mm	900x713x1250 mm	1100x697x1900 mm
Package Size (WxDxH)	710x550x950 mm	870x720x1170 mm	1060x870x1140 mm	1260x860x2080 mm
Gross Weight	38 kg	68 kg	147 kg	185 kg
Power Consumption	150 W	160 W	400 W	350W
Power Supply	AC220V+10% 50/60Hz ; 110V+, 60Hz			

## ACCESSORIES

Accessory Code	Name
6200808015	UV Lampx2

## OPTIONAL ACCESSORIES

Accessory Code	Name	External Dimension	Package Size (mm)
2400808008	Infrared Sterilizer	150x95x210 mm	
2400808009	Airflow Tester		
2400808010	Formalin Fumigation Sterilizer		300x200x160 mm
2400808011	Ammonium Hydrogen Carbonate Neutralizer		300x200x160 mm
2400808012	Armrest		
2400808013	Laboratory Chair		
2400808014	Dust Particle Counter		
2400808015	Digital Sound Level Meter		
2400808016	Illumination Meter		
2400808017	Air Flow Anemometer		
2400808018	Protective Garment		
2400808019	Protective Gloves		



LTCBS8-1



LTCBS8-2



LTCBS8-3



LTCBS8-4

# LABTARE

**Labtare Analytical Instruments**

Email: [info@labtare.com](mailto:info@labtare.com) | Website: [labtare.com](http://labtare.com)