

CYTOTOXIC SAFETY CABINET LTCBS10-7



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Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory.
Also known as Class II BSC, Biosafety Cabinet.

LTCBS10-7 CYTOTOXIC SAFETY CABINET

Stainless Steel 304 table for operation
Digital LCD display for easy monitoring of all parameters
Emission of 253.7 nm for highly efficient decontamination
Motored front window with timer function
Two-layered marinated toughened glass ($\geq 5\text{mm}$) motorized front window
Negative air pressure provides personnel protection by constant movement of air in working area
Remote control operation including front sash movement and fan speed control
Foot switch to adjust the height of the front window
Centrifugal fan speed adjustable: H14 HEPA filter
Intrinsic sterilization is achieved after activating cabinet for 30 min via UV timing
Air drawn into the cabinet through air grill
Filter Life Indicator: Pressure value displayed to show life utility of main filter
Low noise and high energy efficiency for operational cost savings
Audio and visual alarm for filter replacement, front window over height and abnormal airflow



SPECIFICATIONS

Model	LTCBS10-7
Type	Class II, Type A2
Filter	ULPA Filter, efficiency > 99.9995% for particle size at 0.12 μm
Inflow Velocity	0.53 \pm 0.025 m/s
Down Flow Velocity	0.33 \pm 0.025 m/s
Exhaust	Exhaust Filter: ULPA Filter: First exhaust filter:0.12 μm efficiency 99.9995%. HEPA Filter: Secondary exhaust filter:0.3 μm efficiency 99.9995%. Exhaust Volume: 465m ³ /h
Tested Opening	Safety height 200 mm (8")
Max Opening	440 mm (17")
UV Lamp	30Wx1 Emission of 253.7 nanometers for most efficient decontamination UV life indicator, UV timer
LED Lamp	16Wx2
Illumination	≥ 1000 lux
Display	LCD Display
Control System	Microprocessor
Humidity and Temperature	Humidity and Temperature can be displayed on the control panel
Work Zone Material	304 Stainless steel
Main Body Material	Cold roller steel with anti bacteria powder coating
Front Window	Motorized, two layer laminated toughened glass ≥ 6 mm, Anti UV
Caster	Footmaster Caster
Visual and Audio Alarm	Abnormal airflow velocity; filter replacement; front window at unsafe height; High filter pressure alarm
Noise	≤ 67 dB
Waterproof Socket	Two, total load of sockets: <500W

Standard Accessory	Base Stand, Drain Valve, Waterproof sockets x2, Remote control, LED lamp x2, UV lamp x1, Water tap x1, Gas tap x1
Optional Accessory	Armrest, Formalin fumigation sterilizer, Infrared sterilizer, Airflow tester
Internal Size (WxDxH)	1220x600x630 mm
External Size (WxDxH)	1380x760x2100 mm
Package Size (WxDxH)	1540x910x2280 mm
Gross Weight	371 kg
Consumption	900W
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		



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