



CLASS II A2 BIOLOGICAL SAFETY CABINET BFN-10102

CLASS II BIOSAFETY CABINET BFN-10102

BIOLOGICAL SAFETY CABINET CLASS II TYPE A2



Single-fan structure design

The single-fan structure design, equipped with imported EBM fan, low failure rate, low noise, energy saving and environmental protection.

Filter life monitoring technology

The filter life can be visually displayed on the LCD screen; Equipped with ultra-high efficiency air filter (ULPA), the filtration efficiency $\geq 99.9995\%$ for particles $\geq 0.12\mu\text{m}$.

Dual probe breeze speed sensor

To measure real-time wind speed, a dual-probe wind speed sensor is used.

Fully split table design

Adopt a new split countertop design, which is smaller, lighter, more powerful, and easier to disinfect.

SPECIFICATIONS

Model	BFN-10102
Internal Size (W*D*H)	1250*575*625mm
External Size (W*D*H)	1340*790*2130 mm (with Base Stand)
Nominal Size	1.2 m (4')
External Dimensions (inch)	52.8"x31.1"x83.9"
Internal Work Area Dimensions (inch)	49.2"x22.6"x24.6"
Internal Work Area Space	0.72 m ² (7.8 sq.ft)
Average Inflow Velocity	0.53±0.025 m/s (104.3±4.92 fpm)
Average Downflow Velocity	0.35±0.025 m/s (68.9±4.92 fpm)
Inflow Volume	477 m ³ /h (281 cfm)
Downflow Volume	945 m ³ /h (556 cfm)
Exhaust Volume	477 m ³ /h (281 cfm)
ULPA Filter Efficiency - Downflow	99.9995% for 0.1-0.2 μm particles
ULPA Filter Efficiency - Exhaust	99.9995% for 0.1-0.2 μm particles
Personnel Protection Test	KI-Discus containment and microbiological testing performed
Product Protection Test	≤ 5 CFU
Cross-contamination Test	≤ 2 CFU
Sound Emission - NSF/ANSI 49	<62 dBA
Sound Emission - EN 12469	<59 dBA
Fluorescent Light Intensity	≥ 650 Lux (≥ 60 foot candles)
Excellent Light Distribution	Yes
RMS	≤ 5 μm
Main Body	1.2 mm (0.05") steel with white oven-baked epoxy-polyester
Work Zone	1.5 mm (0.06") stainless steel, Type 304
Side Walls	1.5 mm (0.06") stainless steel, Type 304
Electrical Sliding Window Option	HFsafe-1200LA
Window Material	Hardened/Laminated safety glass
Cabinet Full Load Amp (FLA)	2 A
Fuses	10 A
Cabinet Nominal Power	452 W
Optional Outlets FLA	5 A

Total Cabinet FLA	7 A
220 V / 50 Hz	Yes
220 V / 60 Hz	N/A
110 V / 60 Hz	Yes
Net Weight - Manual Type	225 kg (496 lbs)
Shipping Weight - Manual Type	295 kg (650 lbs)
Shipping Dimensions Maximum (WxDxH)	1425x945x1717 mm
Shipping Dimensions (inch)	56.1"x37.2"x67.3"
Shipping Volume Maximum	2.30 m ³ (81.2 cu.ft.)
Alt Name	Biological Safety Cabinet Class II Type A2

FEATURES

Single-fan structure design

The single-fan structure design, equipped with imported EBM fan, low failure rate, low noise, energy saving and environmental protection.

Filter life monitoring technology

The filter life can be visually displayed on the LCD screen; Equipped with ultra-high efficiency air filter (ULPA), the filtration efficiency $\geq 99.9995\%$ for particles $\geq 0.12\mu\text{m}$.

Dual probe breeze speed sensor

To measure real-time wind speed, a dual-probe wind speed sensor is used.

Fully split table design

Adopt a new split countertop design, which is smaller, lighter, more powerful, and easier to disinfect.

With UV lamp appointment function

The ultraviolet lamp can be set in advance according to different needs.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com