

**BIL. SEBUTHARGA/QUOTATION REF: UBD/Q/269/2022 - [T]
(FIT)**

**TITLE : TO SUPPLY, DELIVER, AND REPLACE HEPA FILTERS AND ULPA FILTERS,
AND RELOCATION, PERFORMANCE CHECK, FUNCTIONAL CHECK OF BIOSAFETY
CABINET, UNIVERSITI BRUNEI DARUSSALAM.**

No.	Quantity	SPECIFICATIONS
1	1 UNIT	Biosafety Cabinet <i>Specification: -</i> Refer the attachment

Biosafety Cabinet Specification

Internal Size (W*D*H)	940*600*660mm
External Size (W*D*H)	1100*750*2250mm
Tested Opening	Safety Height = 200 mm(8")
Max Opening	420mm(17")
Inflow Velocity	0.53±0.025 m/s
Downflow Velocity	0.33±0.025 m/s
ULPA Filter	Two, 99.9995% efficient at 0.12um. Filter life indicator.
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.
Noise	≤67db
UV Lamp	30W*1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.
Illuminating Lamp	LED Lamp 12W*2
Illumination	≥1000Lux
Consumption	600W
Waterproof Sockets	Two, total load of two sockets: 500W
Display	LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc.
Control System	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust
Visual and audio alarm	Filter replacement, front window at unsafe height, abnormal airflow velocity.
Material	Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating.
Work Surface Height	750mm
Caster	Footmaster caster
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Standard Accessory	LED lamp, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2
Gross Weight	220kg
Package Size (W*D*H)	1220× 1000× 1820 mm