

PENANARAN KABINET : (SC2-4S1)

ESCO - STREAMLINE

- ①. PT. PRADANA INDIA CEMERLANG
 - 160.545.000,- (INCLUDE PPN 10%)
 - 145.950.000,- (NETT)
- ②. PT. ALFA MAHATMA ABITRAME
 - 237.500.000 (BELUM PPN 10%)
- ③. PT. PRANA REWARDI MUSANTARA
 - 159.942.750,- (INCLUDE PPN 10%)
 - 145.402.500,- (NETT)
- ④. PT. 21GASS INTI PERDANA
 - BPPA MRK : BIP / TYPE BSC 009A2
 - 154.000.000,- (INCLUDE PPN 10%)
 - 140.000.000,- (NETT)

Wassalamu'alaikum Wr.Wb.



Prof. S.P. Edijanto, dr., Sp.PK (K)

RABAYA
AYA

No. A

Perih

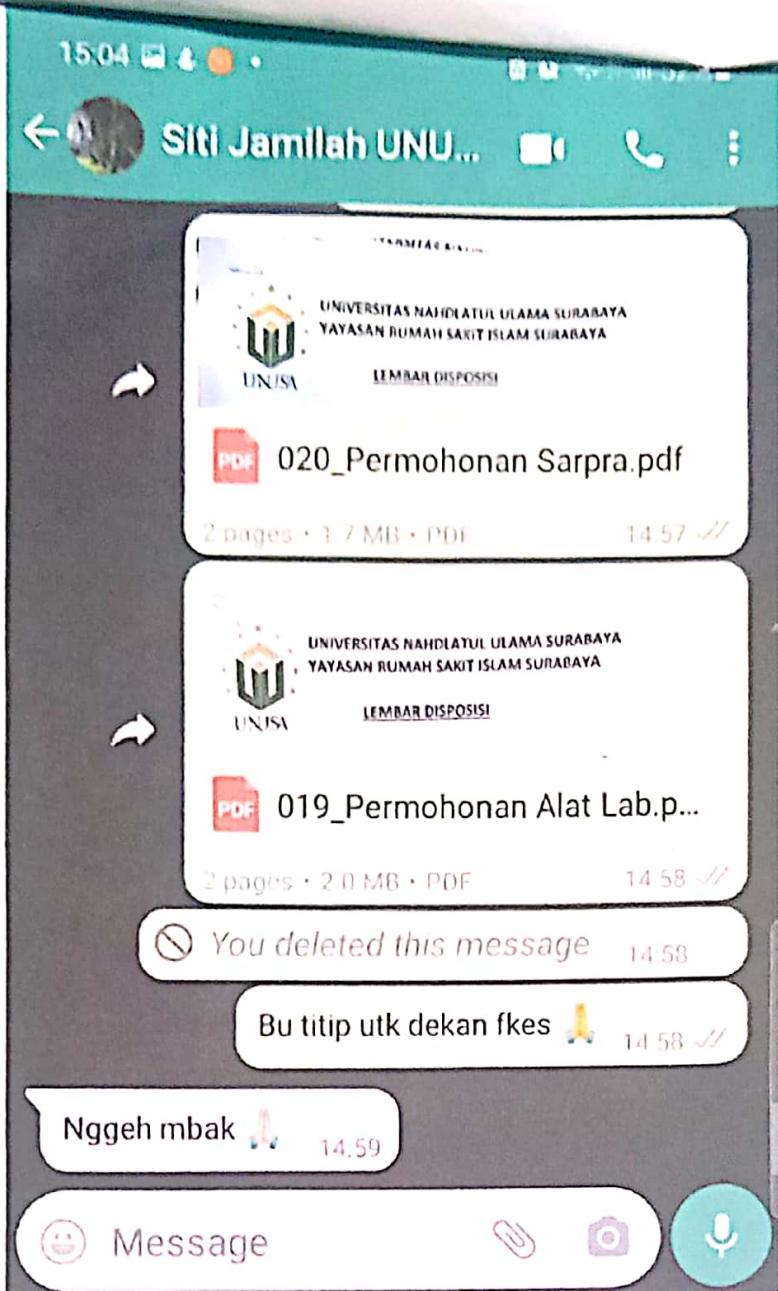
Terim

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Jawat



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31/22' /03
- SUDAH DIKIRIMAN
- PROSES KEPERIPMAN
BARANG MANGAN
DILAKUKAN HARI
RABU 06/04/22'
/04/22'

TIM JKP

Paraf:

Paraf:

Ta 7/1/22	Siap dilaksanakan, yth. koordinator Siapas dan ketua ULP makan di tindali Lanjuti	Paraf: JKT
12/1/22	Siap dilaksanakan Yth Dekan Fkes solusi dmn drgkta d. sim keu	

26/1/22 Siap Pengajuan di sum
sdh proses.
Repetisi yth Ketua clp aduan
disposis

OPI



UNIVERSITAS NAHDLATUL ULAMA SURABAYA

FAKULTAS KESEHATAN

Kampus A Wonokromo : Jl. Smea No.57 Tlp. 031-8291920, 8284508 Fax. 031-8298582 – Surabaya 6024
Kampus B RSI Jemursari : Jl. Jemursari No.51-57 Tlp. 031-8479070 Fax. 031-8433670 – Surabaya 6023
Website : www.fkes.unusa.ac.id Email: fkes@unusa.ac.id

Surabaya, 5 Januari 2022

Nomor : 006/UNUSA-FKes/Adm-I/I/2022
Lampiran : 1(satu) lembar
Perihal : Permohonan Pengajuan Alat Laboratorium

Kepada Yth. :
Bapak Wakil Rektor II Universitas Nahdlatul Ulama Surabaya
Jl. Jemursari No. 51 - 57
Surabaya.

Assalamu'alaikum Wr. Wb.

Puji syukur kami panjatkan ke hadirat Allah SWT, atas limpahan rahmat dan karunia-Nya, sholawat dan salam senantiasa tercurahkan kepada Rasulullah SAW, semoga Bapak selalu dalam keadaan sehat wal'afiat.

Sehubungan dengan adanya Persiapan Akreditasi ISO 17025:2017 Laboratorium *Health Science* Fakultas Kesehatan Universitas Nahdlatul Ulama Surabaya, maka dengan ini kami bermaksud mengajukan kebutuhan pengadaan alat pada Laboratorium tersebut. Adapun alat laboratorium yang dibutuhkan adalah :

Item No	Esco Item Code	Model Code	Description	Qty	Unit Price (IDR)	Discount	Net Price (IDR)
1	2010930	SC2-4S1	Streamline® Class II, Biological Safety Cabinet - S Series, 4ft/1.2m	1	194,600,000.00	25%	145,950,000.00

Subtotal IDR 145,950,000.00
Vat (10%) IDR 14,595,000.00
Grand Total IDR 160,545,000.00

Besar harapan kami untuk dapat di tindaklanjuti kebutuhan alat dan bahan laboratorium demi menunjang jalannya kegiatan akademik di lingkungan Fakultas Kesehatan Universitas Nahdlatul Ulama Surabaya.

Demikian surat permohonan kami, atas perhatiannya Bapak kami sampaikan terima kasih.

Wassalamu'alaikum Wr. Wb.

Dekan Fakultas Kesehatan

UNUSA
FAKULTAS KESIHATAN
Prof. S.P. Edijanto, dr., Sp.PK (K)



PT Pradana Indah Cemerlang
Taman Tekno BSD Blok H6 No. 10, Tangerang Selatan, banten 15314

SALES QUOTATION

Quote To Name:	Yth. Dekan Fakultas Kesehatan Universitas Nahdlatul Ulama Surabaya	Quotation No.:	ID-2200029
Quote To Email:	info@unusa.ac.id	Created Date:	Thursday January 6, 2022
Quote To Phone:	+62318479070	Sales Person In-charge:	Lusiana
Prepared By (Name):	Lusiana	Email:	eusales7@escolifesciences.com
Prepared By (Email):	eusales7@escolifesciences.com	Phone No.:	0815-1932-0472

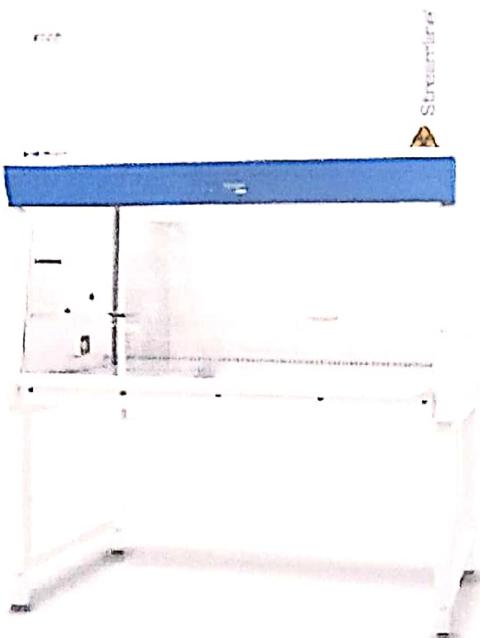
Ship To Name:	Universitas Nahdlatul Ulama Surabaya (UNUSA)
Ship To:	Jl. Raya Jemursari No.57, Jemur Wonosari, Kec. Wonocolo, Surabaya, Jawa Timur, 60237

Item No	Esco Item Code	Model Code	Description	Qty	Unit Price (IDR)	Discount	Net Price (IDR)
1	2010930	SC2-4S1	Streamline® Class II, Biological Safety Cabinet - S Series, 4ft/1.2m	1	194,600,000.00	25%	145,950,000.00

Subtotal IDR 145,950,000.00
Vat (10%) IDR 14,595,000.00
Grand Total IDR 160,545,000.00

Description SC2-4S1 : Streamline® Class II, Biological Safety Cabinet - S Series, 4ft/1.2m
Certification : EN 12469 (cabinet performance), supported by NSF Certified Engineer
Nominal Size : 1.2 meter
External Dimension : 1340 x 810 x 1400 mm
Dim Internal Work Area (W x D x H) : 1220 x 580 x 670 mm
Average Airflow Velocity: Inflow = 0.45 m/s Downflow = 0.30 m/s
Filter : >99.999% at 0.1 to 0.3 micron, ULPA as per IEST-RP-CC001.3 USA >99.999% at MPPS, H14 as per EN 1822 EU
Sound Emission Per IEST-RP-CC002.2* : EN: 57 dBA
Fluorescent Lamp Intensity : 1118 lux (104 foot-candles)
Controller : Sentinel™ Silver Microprocessor Controller
Cabinet Construction : Main Body : 1.2 mm (0.05") / 18 gauge EG Steel with Isocide™ Oven-Baked Epoxy-Polyester Powder Coating
Workzone : Single-piece work tray, 1.5 mm (0.06") / 16 gauge, SS304, with stainless steel side wall
Motor/fan : High performance EBM-PAPST permanently lubricated, centrifugal motor/fan with external rotor designs
Electrical : 220-240V, AC, 50Hz, 1Ø, 308 W
Net Weight : 230 kg
Accessories :
a. 1 X UV Lamp
b. 1 X Support Stand

Esco Products: Biological Safety Cabinets . Bioreactors . CO2 Incubators . Compounding Pharmacy Equipment . Containment / Pharma Products . Ductless Fume Hoods . Fermenters . IVF Equipment . Lab Animal Research Products . Laboratory Fume Hoods . Laboratory Centrifuge . Laboratory Incubators . Lab Refrigerators and Freezers . Laboratory Ovens . Laboratory Shakers . Laminar Flow Cabinets . Laboratory Freeze Dryers . PCR Cabinets . PCR Thermal Cyclers . Powder Weighing Balance Enclosures . Sample Protection Solutions . Ultra Low Temperature Freezers



Pic. SC2-4S1

NOTES :

Franco Surabaya

Penempatan di Lantai Dasar (tidak termasuk bongkar tembok jika alat tidak bisa masuk)

Harga termasuk instalasi dan training user on site

Garansi 1 tahun (tidak termasuk consumable part)

Validity	30 Days
Payment Terms	50% After Delivery, 50% Down Payment
Lead Time	Ready Stock (tidak mengikat)

Prices	All prices include GST / VAT.
Delivery	Delivery is inclusive unless otherwise stated.
Cancellation	25% of the total value of the order if the order is cancelled later than 72 hours upon receipt of the Sales Order Confirmation / Proforma Invoice.
Warranty	Please contact your Esco Representative for details.

NOTES:

Esco Products: Biological Safety Cabinets . Bioreactors . CO2 Incubators . Compounding Pharmacy Equipment . Containment / Pharma Products . Ductless Fume Hoods . Fermenters . IVF Equipment . Lab Animal Research Products . Laboratory Fume Hoods . Laboratory Centrifuge . Laboratory Incubators . Lab Refrigerators and Freezers . Laboratory Ovens . Laboratory Shakers . Laminar Flow Cabinets . Laboratory Freeze Dryers . PCR Cabinets . PCR Thermal Cyclers . Powder Weighing Balance Enclosures . Sample Protection Solutions . Ultra Low Temperature Freezers



PT Pradana Indah Cemerlang
Taman Tekno BSD Blok H6 No. 10, Tangerang Selatan, banten 15314

SALES ENQUIRY – please send to eucs1@escolifesciences.com & eucs2@escolifesciences.com

STOCK AVAILABILITY/RESERVATION – please send to eucs2@escolifesciences.com

PLACING ORDERS & ORDER STATUS ENQUIRY – please send to eucs2@escolifesciences.com

DELIVERY ENQUIRY – please send to eucs3@escolifesciences.com

TECHNICAL ENQUIRY – please send to eusupport@escolifesciences.com & abriyadi@escolifesciences.com

ACCOUNT ENQUIRY – please send to euaccounts1@escolifesciences.com

DISCLAIMER:

*Delivery times above are best estimates at present time. PT Pradana Indah Cemerlang will not be held responsible for delays and damage claims for occurrence of Force Majeure events such as war, riots, earthquakes, hurricanes, lightning, explosions, global pandemic, lockdowns etc.

**Shipping/Freight charges are also subject to change without notice in view of logistics and supply chain disruptions due to COVID-19.

**In events of Force Majeure including COVID-19, PT Pradana Indah Cemerlang reserves the right to refuse or cancel orders that it, despite best attempts, could not fulfil.

Esco Products: Biological Safety Cabinets . Bioreactors . CO2 Incubators . Compounding Pharmacy Equipment . Containment / Pharma Products . Ductless Fume Hoods . Fermenters . IVF Equipment . Lab Animal Research Products . Laboratory Fume Hoods . Laboratory Centrifuge . Laboratory Incubators . Lab Refrigerators and Freezers . Laboratory Ovens . Laboratory Shakers . Laminar Flow Cabinets . Laboratory Freeze Dryers . PCR Cabinets . PCR Thermal Cyclers . Powder Weighing Balance Enclosures . Sample Protection Solutions . Ultra Low Temperature Freezers

 Data Rencana Anggaran Kegiatan

[Data]

[Data Baru]

No. Ajuan	UNUSA/A/2022/110200/00001
Tahun Anggaran	2022
Unit	Fakultas Kesehatan
Tanggal Kegiatan	19 Jan 2022
Judul Ajuan	Pengajuan Alat Lab persiapan Akreditasi ISO 17025 2017 dan Akreditasi Prodi D-IV Analis Kesehatan Fakultas Kesehatan Unusa
Struktural I	9206362 - Firdaus, S.Kep.Ns., M.Kes. Mengetahui
Struktural II	1307928K - Prof. S. P. Edijanto, dr., Sp.PK (K) Mengetahui
Kasubdit Keuangan	00098669 - Luluk Khonyah, S.E., M.S.A Mengetahui
Direktur Keuangan	9205563 - Ermy Komariyah, S.E., M.M Mengetahui
Wakil Rektor II	20091310 - Ir. Muhammad Faqih, MSA, Ph.D Menyetujui
Nominal	160.545.000
Status Ajuan	Disetujui
Dokumen Ajuan	File Ajuan
Dibuat Oleh	1306636 - Ibrohim Yasin, S.E 2022-01-19 09:00:53

 Daftar Item Rencana Anggaran Kegiatan

COA	Jenis Item	Deskripsi	Harga Satuan	Jml Item	Pajak	Keterangan	Subtotal
502020731 - Laboratorium Fak Kesehatan	Pengajuan Alat Lab persiapan Akreditasi ISO 17025 2017 dan Akreditasi Prodi D-IV Analis Kesehatan Fakultas Kesehatan Unusa	Streamline Class II, Biological Safety Cabinet - S Series, 4ftx1,2m	145.950.000	1	10 %	Alat Laboratorium Penelitian dalam rangka persiapan akreditasi ISO 17025 2017 dan Akreditasi Prodi D-IV Analis Kesehatan	160.545.000
						Total	Rp. 160.545.000

Nomor : 010/SPH-MA/I/2022



PT. PRANA KELUARGA NUSANTARA
Jl. Rungkut Lor RL II D/2 Surabaya – 60293
Telp. (031) 8793595 – Fax (031) 8793595
E-mail : prana_keluarga_nusantara@yahoo.com

Surabaya, 28 Januari 2022

Nomor : 004/PKN/I/2022
 Lampiran : 1 Halaman

Kepada Yth:

Universitas Nahdlatul Ulama Surabaya
 Jl. Jemursari No. 51 – 57
 Surabaya

Perihal : Penawaran Biological Safety Cabinet

Dengan hormat,

Sehubungan dalam memenuhi kebutuhan barang di Universitas Nahdlatul Ulama Surabaya, berikut kami tawarkan produk kami dengan rincian sebagai berikut:

No	Nama Barang	Volume	Harga Net (Rp)
1	Streamline® Class II, Biological Safety Cabinet - S Series, 4ft / 1.2m, 220-240 VACm 50 Hz	1 Unit	145.402.500
		PPN 10%	14.540.250
		Harga setelah PPN 10%	159.942.750

Keterangan:

1. Garansi pabrikan 1 (satu) tahun
2. Harga sudah termasuk pengiriman
3. Foto barang terlampir
4. Apabila ada pekerjaan fisik (penempatan alat lab) kalau muncul biaya adalah diluar tanggung jawab kami
5. Harga tidak mengikat sewaktu – waktu bisa berubah

Demikian surat penawaran harga kami, atas perhatian dan kerjasamanya kami ucapan terima kasih.

PT. PRANA KELUARGA NUSANTARA



INDRAMURTI
Direktur



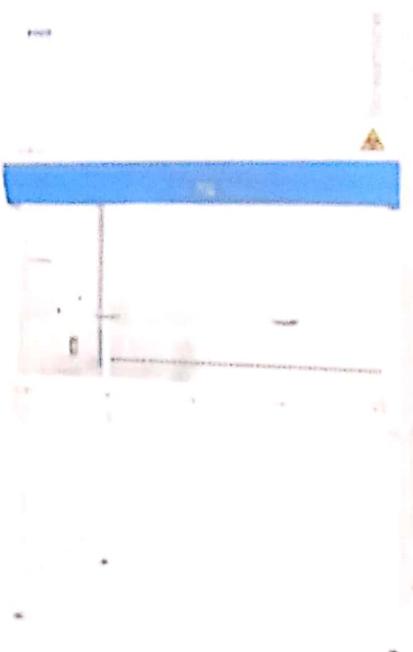
PT. PRANA KELUARGA NUSANTARA

Jl. Rungkut Lor RL. II D/2 Surabaya - 60293

Telp. (031) 8793595 – Fax (031) 8793595

E-mail : prana_keluarga_nusantara@yahoo.com

Perihal: Lampiran Foto Barang Biological Safety Cabinet



Streamline® Class II, Biological Safety Cabinet - S Series, 4ft / 1.2m, 220-240 VACm 50 Hz

Nomor : 010/SPH-MA/I/2022
 Lamp. :-

Sidoardjo, 26 Januari 2022

Kepada Yth :
 Bapak Agus
 PT. SGU
 Di
 Tempat

Perihal : Surat Penawaran Harga

Dengan Hormat

Bersama ini kami hendak mengajukan penawaran harga untuk kebutuhan Peralatan Laboratorium dengan item sebagai berikut.

No.	Nama Barang	Merk / Origin	Type	Qty	Harga / Unit
1	Biological Safety Cabinet, Class II A2	Biobase / China	BSC-1300IIA2-X	1	Rp 137,500,000
2	Biological Safety Cabinet, Class II A2	Biobase / China	NSF 1235BBC86	1	Rp 185,500,000
3	Biological Safety Cabinet, S Series Clas II A2 – 4 ft / 1.2 m	Esco	SC 2 – 4S1	1	Rp. 237,500,000

Kondisi Penawaran :

Harga : Franko Surabaya dan Harga belum Termasuk PPn 10%
 Termasuk Instalasi dan Training User Onsite
 Tidak Termasuk Pekerjaan Sipil

Pembayaran : 50% DP Pada Saat Pemesanan Barang
 50% Pada Saat Barang dikirim

Pengiriman : Ready Stock, Selama Persediaan masih ada
 Garansi : 1 Tahun

Masa Berlaku : Penawaran ini berlaku 1 bulan sejak tanggal penawaran

Demikian Surat Penawaran Harga yang kami berikan, atas Perhatian dan kerjasamanya kami ucapan terima kasih .

Hormat Kami,
 PT. ALFA MAHATMA ABITRANE



Susy Handayani
 Direktris

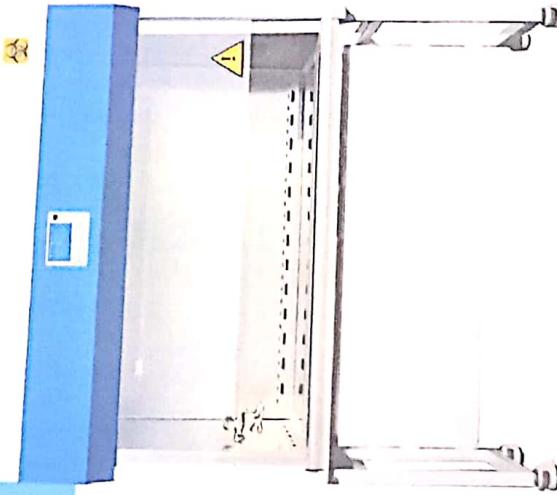
Lampiran Spesifikasi :

NO	DESKRIPSI	TYPE / MERK / NEGARA	SPEKIFIKASI ALAT	KETERANGAN
1	Biological Safety Cabinet CLASS II A2	BSC-1300 II A2-X, Biobase / China	<p>Internal Size (WxDxH) : 1150 x 600 x 660 mm External Size (WxDxH) : 1300 x 750 x 2250 mm Inflow Velocity : 0,53± 0,025 m/s Downflow Velocity : 0,33± 0,025 m/s HEPA Filter : Two Filter life Indicator Front Widnow : Motorized Anti UV Noise : EN12469 ≤ 58 dB / nSF 49 ≤ 61 dB UV Lamp : 30 W x 1, UV Timer, UV life Indicator, Most Efficient Decontamination LED Lamp : 12 W x 2 Consumption : 800 w Waterproof Sockets : 2 , Total Load 2 Sockets : 500 W Display : LCD Display : Exhaus set filter and downflow filter Pressure, filter and UV lamp working time, Inflow and downflow velocity, filter life, humidity and temperate, 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 Air Flow velocity Material : Work Zone : 304 Stainless Steel Main Body : Cold-Rolled Steel with anti bacterial Powder Coating Power Supply : AC220 V ±10%, 50/60 Hz ; 110 V ±10%, 60Hz Gross Weight : 280 kg </p> 	

BIOBASE CABINET

BIOBASE

**Class II A2
NSF Certified**



ADVANTAGE

1. Motorized front window.
2. Large LCD display, all information displayed.
3. Automatic air speed adjustable with filter block.
4. With memory function in case of power-failure.
5. Side & back wall is made up of single piece stainless steel
6. Front 10° slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.
7. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.

BIOBASE Catalog

TECHNICAL SPECIFICATION

	UV Lamp	Model 11235BBC001/31	Model BGC-4FA241	External Size(W*D*H) 1087*775*2255mm	External Size(W*D*H) 1223*775*2255mm
	304 Stainless Steel	Internal Size(W*D*H) 910*500*560mm	Internal Size(W*D*H) 1210*500*560mm	Inflow Velocity 0.53±0.025 m/s	Inflow Velocity 0.33±0.025 m/s
	Front Window	Downflow Velocity 0.33±0.025 m/s	Downflow Velocity 0.33±0.025 m/s	Motorized Anti UV	Motorized Anti UV
	HEPA Filter	Filter Guard Type	Filter Guard Type	Two, filter life indicator	Two, filter life indicator
	Noise Display	Aluminum alloy frame	Aluminum alloy frame	NSF 49±61 dB/EN 12459-58 cB	NSF 49±61 dB/EN 12459-58 cB
	Waterproof Socket	LCD Display	LCD Display	2. Total consumption : ≤50W	2. Total consumption : ≤50W
	Tap	Power Supply	Power Supply	Water tap *1, Gas tap *1	Water tap *1, Gas tap *1
	SS Water Tap & Gas Tap	Consumption	Consumption	AC220V/110V±10%, 50/60Hz±1Hz	AC220V/110V±10%, 50/60Hz±1Hz
	Front Window Glass	Alarm	Alarm	300W	300W
	UV Lamp	Material	Material	500W	500W
	Standard Accessory	Frame and Decorative Plate : cold-rolled steel with anti-bacteria powder coating	Frame and Decorative Plate : cold-rolled steel with anti-bacteria powder coating	18W	18W
	Optional Accessory	Germicidal UV lamp, most efficient decontamination	Germicidal UV lamp, most efficient decontamination	30W	30W
	Adjustable base stand	Fluorescent lamp, UV lamp, Base stand, SS water & gas taps, Drain	Fluorescent lamp, UV lamp, Base stand, SS water & gas taps, Drain	40W	40W
	Armrest	Waterproof sockets, Stainless Steel IV Bar	Waterproof sockets, Stainless Steel IV Bar	2000mm	2000mm

Model	External Size(W*D*H)	Internal Size(W*D*H)	Inflow Velocity	Downflow Velocity	Front Window	HEPA Filter	Filter Guard Type	Noise	Display	Waterproof Socket	Tap	Power Supply	Consumption	Alarm	Material	UV Lamp	Standard Accessory	Optional Accessory	Adjustable base stand	Armrest
11235BBC001/31	1087*775*2255mm	910*500*560mm	0.53±0.025 m/s	0.33±0.025 m/s			Two, filter life indicator	NSF 49±61 dB/EN 12459-58 cB	LCD Display			AC220V/110V±10%, 50/60Hz±1Hz	300W	Abnormal airflow velocity. Filter change: Front window at ≥needs new	Working area: 304 stainless steel		2. Total consumption : ≤50W	Germicidal UV lamp, most efficient decontamination	Fluorescent lamp, UV lamp, Base stand, SS water & gas taps, Drain	Waterproof sockets, Stainless Steel IV Bar
BGC-4FA241	1223*775*2255mm	1210*500*560mm															Frame and Decorative Plate : cold-rolled steel with anti-bacteria powder coating	Fluorescent lamp, UV lamp, Base stand, SS water & gas taps, Drain	Waterproof sockets, Stainless Steel IV Bar	
11235BBC001/31	1087*775*2255mm	910*500*560mm	0.53±0.025 m/s	0.33±0.025 m/s			Two, filter life indicator	NSF 49±61 dB/EN 12459-58 cB	LCD Display			AC220V/110V±10%, 50/60Hz±1Hz	300W	Abnormal airflow velocity. Filter change: Front window at ≥needs new	Working area: 304 stainless steel		2. Total consumption : ≤50W	Germicidal UV lamp, most efficient decontamination	Fluorescent lamp, UV lamp, Base stand, SS water & gas taps, Drain	Waterproof sockets, Stainless Steel IV Bar
1223*775*2255mm	1210*500*560mm																			

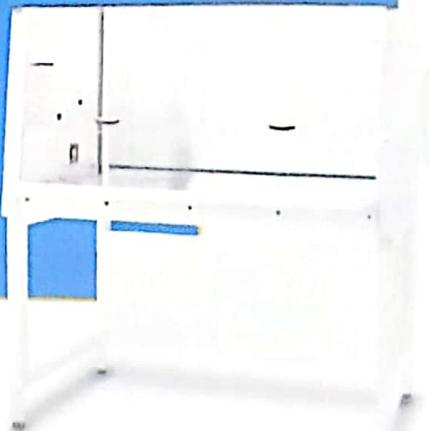




Streamline®

Class II Biological Safety Cabinets

The Industry's Best Value Class II Cabinets



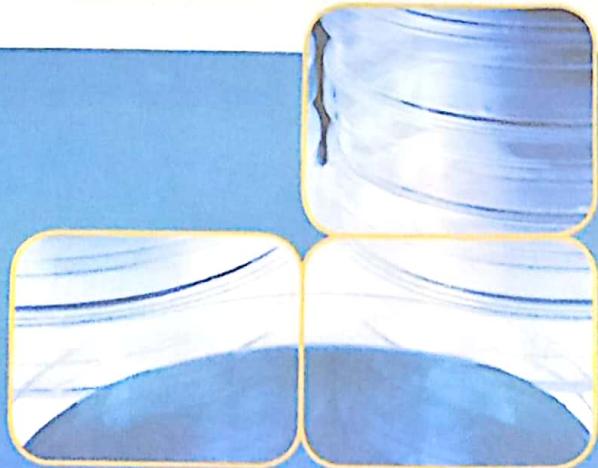
Streamline® Class II, Biosafety Cabinet,
Model SC2-4S1



cen
EN12469

ULPA

ISOCIDE™



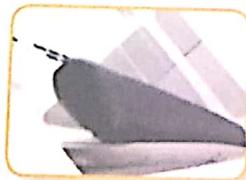
ESCO
WORLD CLASS. WORLDWIDE.



- Selectable Quickstart mode for fast operation
- High performance EBM-PAPST® permanently lubricated, centrifugal motor/fans with external rotor designs. Motors selected for energy efficiency, compact design and flat profile.
- H14 filtration system operate at a typical efficiency of >99.999% at 0.3 micron sizes
- Ergonomically angled front improves reach and comfort, reduces glare. Frameless, shatterproof sash is easier to clean, offers larger, unobstructed viewing area.
- ISOCIDE™ powder coat inhibit microbial growth to improve safety.
- Sentinel™ Silver Microprocessor control alarm system supervise operation of all cabinet functions. Monitor both exhaust and downflow.
- Robust cabinet construction with key components, including fluorescent lamps, control system are located away from contamination air to permit service without decontamination.
- Glass side to increase brightness with maximum visibility / Stainless Steel side walls available (S-Series).
- Esco Streamline® Class II has been certified by PHE / Public Health England (formerly HPA) for compliance to EN 12469.

Accessories

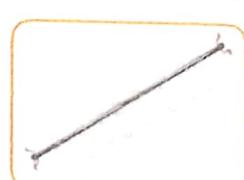
Item Code	Model				
Cabinet	Glass Sides	SC2-4E1 2010655	SC2-4E3 2010892	SC2-6E1 2010900	SC2-6E3 2010904
	Stainless Steel Sides	SC2-4S1 2010930	SC2-4S3 2010898	SC2-6S1 2010906	SC2-6S3 2010910
Anti-blowback Valve 10"	ABBV-10P 5170352				
Thimble Exhaust Collar	ECO-AC2-4 Gen3 5170522				
UV Lamp	UV-30A-L 5170255				
PVC Arm Rest Valve 10"	MEWREST 5170127				
Pre-Filter (On paper Catch)	PF-42 5090062		PF-44 5090064		
IV Bar	IV-1215 5170231		IV-1825 5170501		
Electrical Outlet (Universal)	EO-UNI 5170060				



MEWREST



PF-



IV-



EO-UNI



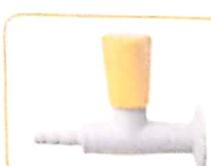
ABBV-10P



ECO-AC2-_ Gen3

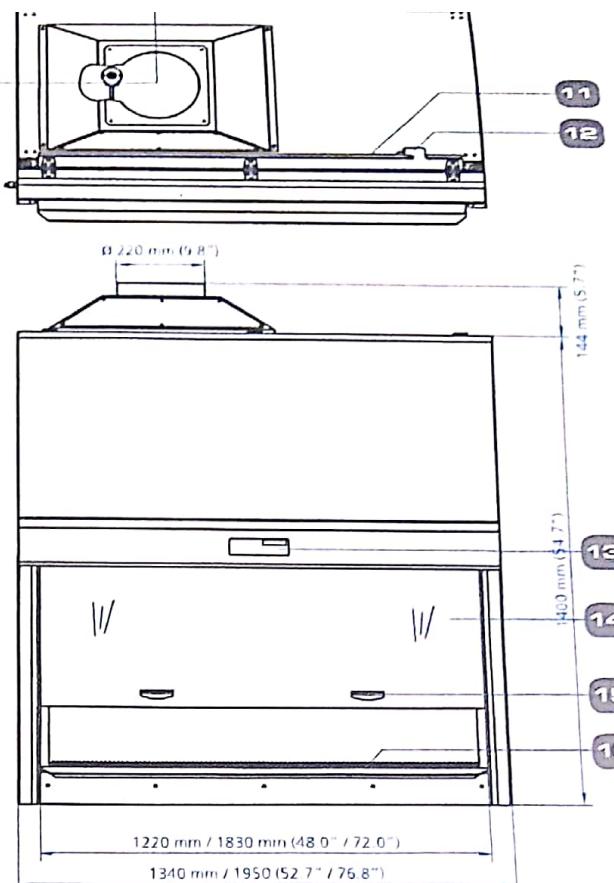
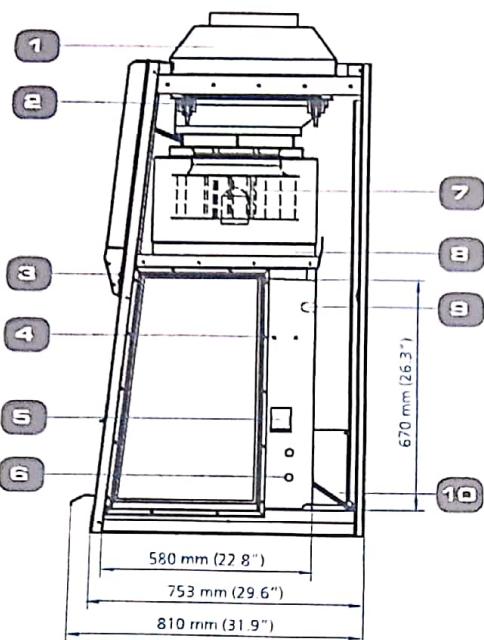


UV-30A-L

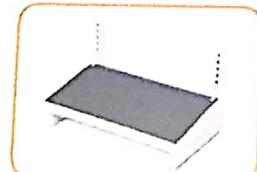


SF-

- ENGINEERED FEATURES**
1. Carbon Pre Filter
 2. Carbon H14 Filter
 3. Fluorescent Lamps
 4. IV-SAR Retrofit Kit Provision
 5. Universal Electrical Outlet (one on each side)
 6. Service Fixture Retrofit Kit Provision (two on each side)
 7. EBM AC Blower
 8. Downflow H14 Filter
 9. O/D Loop (Optional)
 10. Paper Catch (with optional pre-filter)
 11. RS232 Port
 12. Power Inlet (with safety cable hook)
 13. Exco Sentinel™ Silver Microprocessor Control System
 14. Tempered Glass Sliding Sash Window
 15. Sash Handle
 16. Stainless Steel Work Tray



EU SF-Gas-20 mm	SF-1G20	5170410
EU SF-Vacuum-20 mm	SF-1V20	5170457
EU SF-Air-20 mm	SF-1A20	5170503
EU SF-Nitrogen-20 mm	SF-1N20	5170503
EU SF-Water-20 mm	SF-1W20	5170258
EU SF-Universal-22 mm	SF-2U22	5170504
Ergonomic Foot Rest	FT-REST	5170073
Fixed Stand with Caster Wheels 28" Height	SPC-4A0 Gen2	5130152
Fixed Stand with Caster Wheels 34" Height	SPC-4B0 Gen2	5130166
Fixed Stand with Leveling Feet 28" Height	SAL-4A0 Gen2	5130134
Fixed Stand with Leveling Feet 34" Height	SAL-4B0 Gen2	5130175
IQ OQ Protocol		9010179



	SC2-4S1 2010930	SC2-4S3 2010898	SC2-4S1 2010900	SC2-4S1 2010904	SC2-4S1 2010910
External Dimension (W x D x H)	1340 x 810 x 1400 mm (52.8" x 31.9" x 55.1")	1340 x 810 x 1400 mm (52.8" x 31.9" x 55.1")	1340 x 810 x 1400 mm (52.8" x 31.9" x 55.1")	1340 x 810 x 1400 mm (52.8" x 31.9" x 55.1")	1340 x 810 x 1400 mm (52.8" x 31.9" x 55.1")
Gross Internal Dimension (W x D x H)	1220 x 580 x 670 mm (48.0" x 22.8" x 26.4")	1220 x 580 x 670 mm (48.0" x 22.8" x 26.4")	1220 x 580 x 670 mm (48.0" x 22.8" x 26.4")	1220 x 580 x 670 mm (48.0" x 22.8" x 26.4")	1220 x 580 x 670 mm (48.0" x 22.8" x 26.4")
Airflow Velocity	Inflow: Downflow: Inflow:	0.45 m/s (89 fpm) 0.30 m/s (60 fpm)	0.45 m/s (89 fpm)	0.30 m/s (60 fpm)	0.45 m/s (89 fpm)
Airflow Volume	Downflow: Exhaust:	346 cfm (204 cfm) 764 cfm (449 cfm)	346 cfm (204 cfm)	346 cfm (204 cfm)	519 cfm (305 cfm)
Filter Efficiency (%)		>99.999% at 0.1 to 0.3 micron, ULPA as per IEST-RP-CC001.3 USA >99.999% at MPPS, H14 as per EN 1822 EU			
Sound Emission (IEST-RP-CC002.2)*		76F-60 dBA / EN 57 dBA		NSF 62 dBA / EN 59 dBA	
Fluorescent Lamp Intensity	Main Body: Workzone:	1118 lux (104 foot-candles) 1.2 mm (0.05") 17/18 gauge EG Steel with ESCOCIDE™ Oven-Baked Epoxy-Polyester Powder Coating		1044 lux (97 foot-candles)	
Cabinet Construction	Maximum Power / Current Consumption: Nominal Power Consumption: Outlet Amp/Fuse: Full Load Amps: BTU/hr	780 W / 2 A 108 W 5 A 7.8 874	780 W / 2 A 108 W 5 A 7.8 1117	650 W / 1.5 A 606 W 8.5 A 9 A 1840	650 W / 1.5 A 606 W 9 A 2286
Net Weight		230 kg (507.6 lbs)		166 kg (362.8 lbs)	
Shipping Weight		285 kg (628.5 lbs)		428 kg (943.6 lbs)	
Shipping Dimension (W x D x H)		1450 x 820 x 1760 mm (57.0" x 32.2" x 69.2")		2050 x 820 x 1760 mm (80.7" x 32.2" x 69.2")	

*Value reading in open field condition / anechoic chamber

ESCO

WORLD CLASS. WORLDWIDE.

Esco Micro Pte. Ltd. • 21 Changi South Street 1 • Singapore 486 777
 Tel +65 6542 0833 • Fax +65 6542 6920 • mail@escoglobal.com
www.escoglobal.com

Esco Technologies, Inc. • 903 Sheehy Drive, Suite F, Horsham, PA 19044, USA
 Tel 215-441-9661 • Fax 484-698-7757
eti.admin@escoglobal.com • www.escolifesciences.us

Esco Global Offices: Bangladesh | Cameroon | China | Denmark | Germany | Hong Kong | India | Indonesia | Italy | Japan | Lithuania | Malaysia | Philippines | Russia | Singapore | South Africa | South Korea | Taiwan | Thailand | UAE | United Kingdom | USA | Vietnam

OCIDE™

escoglobal.com
 JVE SUPPORT



**BIOSAFETY CABINET
BSF-103-BSC**

Class. A2

**PRODUCT SPECIFICATION**

Construction	Steel hollow, 40x40x1.5mm, S/S plate 304 t:1mm, steel plate t:1mm, Front window: acrylic 6 mm
Work Zone	Stainless Steel Plate 304 t:1mm
Finishing	Powder coating
Filter	Double HEPA Filter 0.3um, 99,95%
Door Operation	Motorized by pedal and touch screen. Max. Opening : 43cm
Dimension External	135 x 85 x 220 cm (L x W x H), Internal 110 x 65 x 75 cm
Input Voltage	AC 220V, 50/60Hz
Air Velocity	Down/Up Flow: 0,25ms - Max. 0,52ms. Noise : ≤ 65 dB
Touch Screen	ON/OFF UV lamp, TL lamp, Fan speed, Counter Life Time UV Lamp, Counter Life Time HEPA Filter, & Door Operation
Accessories	UV lamp, TL lamp, gas tap, waterproof socket table with adjustable screw
Additional Features	Full LCD Touch Screen Control, easy user interface HEPA Filter & UV Life Indicator, make sure the function still at maximum condition, Remote Control for easy acces Automatic Air Velocity, Foot switch pedal for easy operation Front Window Laminate by Anti UV Film, prevention from broken or break

Management System ISO 9001:2015
www.tuv.com ID 9108527873SERTIFIKAT
CPAKB
NO. FK.01.04/V/053/2018www.bipmed.co.id

Manufactured by
PT. BUMI INDAH PUTRA
Jl. Alex Bangun Cipendawa Baru
Bantar Gebang - Kota Bekasi
Telp : 021-82731806, Fax : 021 - 82731834

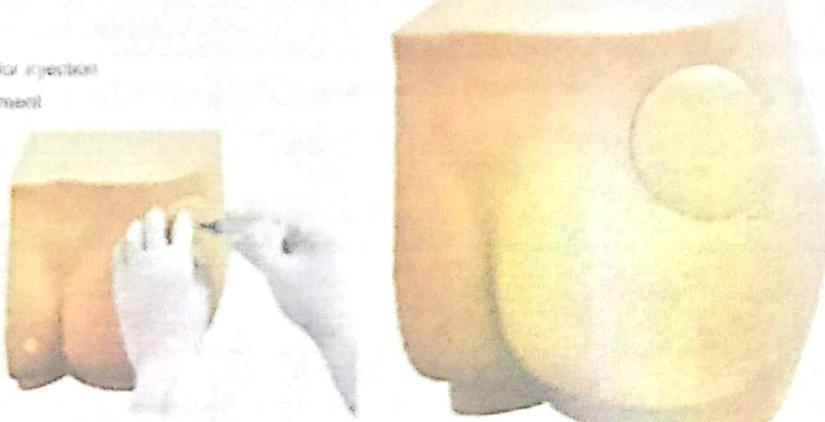


Intramuscular Injection Buttocks

ITEM NO : GD/HST0D

Features:

1. There's a mark to show the right position for injection
2. The inject pad can be taken out for replacement









Surabaya, 2 Maret 2022

Nomor : 511/UNUSA/Adm.E/III/2022
Perihal : Pemesanan Alat Laboratorium Fakultas Kesehatan

Kepada Yth.
PT. Prana Keluarga Nusantara

Assalamu'alaikum Wr.Wb.

Puji syukur kami panjatkan ke hadirat Allah SWT atas limpahan rahmat dan karunia-Nya, shalawat dan salam senantiasa tercurahkan kepada Rasulullah SAW semoga Ibu selalu dalam keadaan sehat wal'afiat.

Bersama ini kami sampaikan surat pemesanan Alat Laboratorium dengan Spesifikasi sebagai berikut :

QTY	SPESIFIKASI	UNIT PRICE	PPN
1	Streamline® Class II, Biological Safety Cabinet -S Series, 4ft/1,2m	Rp. 159.942.750	Exclude

Demikian surat pemesanan kami, atas kerjasamanya kami sampaikan terima kasih.

Wassalamu'alaikum Wr.Wb.

An. Rektor

Wakil Rektor II



Ir. Muhammad Faqih, M.S.A., Ph.D.



UNUSA

UNIVERSITAS NAHDLATUL ULAMA SURABAYA

UNIT LAYANAN PENGADAAN

Kampus A Wonokromo : Jl. SMEA No.57 Tlp. 031-8291920, 8284508 Fax. 031-8298582 – Surabaya 60243
 Kampus B RSI Jemursari : Jl. Jemursari NO.51-57 Tlp. 031-8479070 Fax. 031-8433670 – Surabaya 60237
 Website : unusa.ac.id Email: info@unusa.ac.id

TANDA TERIMA BARANG

Unit : Fakultas Kesehatan

(Tanggal : 08-09-2022) telah diterima beberapa barang dengan perincian sebagai berikut :

No	Nama Barang	Kondisi
1	Sticantine Class II, Biological Safety Cabinet	(Sesuai / Tidak Sesuai)
2		(Sesuai / Tidak Sesuai)
3		(Sesuai / Tidak Sesuai)
4		(Sesuai / Tidak Sesuai)
5		(Sesuai / Tidak Sesuai)

Barang tersebut telah diterima dalam keadaan baik untuk dapat ditindaklanjuti sesuai isi surat pengajuan pengadaan.

Mengetahui,

Penerima


 Dwi...lesfan P.

Vendor


 08/09/2022
 Mohammad Azrori R.

BARANG SUDAH DITERIMA

ISADRA AFAN / MAMETOV DEPAN
 PA WI CORSA Kabi - Kimat + 13/22'
 ek sekuiri
 Ed/14/22'
 64

ULP UNUSA



ESCO

LPE ESCO INDONESIA Tbk. 00100000000000000000

PT. ESCO UTAMA
Baran Jalan Duri Blok 04 No. 1
Duri Sektor 3, Serpong, Tangerang 15314
Ph. (021) 89446565, FAX. (021) 89446566
Fax. (021) 89446567

BB No. 473

SERVICE REPORT

Customer Name	Almaris Indopak
Address	Jl. Raya Serpong No. 51 Kawasan
Person in Charge	
Mobile	
Email	

Service

<input checked="" type="checkbox"/>	Calibration / Certification
<input checked="" type="checkbox"/>	Installation
<input type="checkbox"/>	Testing and Commissioning

<input type="checkbox"/>	General Service
<input type="checkbox"/>	Repair - Breakdown
<input type="checkbox"/>	Replacement spare parts

Product Type	Model	Serial No.	Date installed	Warranty
Boiler	ES-15	ES-15-A-001	1 Apr 2012	12m / 12m
				12m / 12m
				12m / 12m
				12m / 12m
				12m / 12m
				12m / 12m
				12m / 12m

Status (Tick ✓ if appropriate)

In process

Waiting for parts

Monitoring

Solved

Report

Bahan & Masayang unit

Boiler 1 : 24.67 % PASSED

D 231.7

Boiler 2 : 44.44% PASSED

D 231.2

PAU : 100% PASSED

MAX : 100% PASSED

Min : 100%

Low intensity 6.32 % PASSED

High Intensity 6.91% PASSED

Ext Intensity 189.44% PASSED

Remarks

(Not ready to use)

Spare Parts Supplied

No	Part No	Description	Qty

Engineer Time Chart

Date		
Time In		
Time Out		
Travelling		
Working		

Signed By: Service Engineer

Name: M. Ahmad Alif Siregar
Date: 14 April 2012

Checked By: Technical Support

Name:
Date:



UNUSA

Sign / Company Stamp / Date

Name:

ESCOLIFE SCIENCES GROUP
Website: www.escolife-sciences.co.id

TEST REPORT NO. 102819

BIOLOGICAL SAFETY CABINET

 On-Site Commissioning
 Field Recertification

 Time in 09:00
 Time out

Client	UNUSA Campus B	Manufacturer	ESCO
Department		Cabinet Type/Model	BSC 1SC2-451
Floor No. / Room No.	Gnd / lab mikro	Serial No.	2021-170631
Contact Person		Ducted	(Yes/No) If yes, thinkable or fixed ducting)
Contact No.		Date of Test	11 APR 2022
Email Address		Due Date	11 APR 2023

CABINET FUNCTIONS

Airflow Indicators	Pass / Fail / N.A.	Switches/light fits/Sockets/Fans	Pass / Fail / N.A.
Pressure Indicators	Pass / Fail / N.A.	U.V. Light	Pass / Fail / N.A.
Alarm Mute Reset	Pass / Fail / N.A.	Electrical Ground	Pass / Fail / Pass

TEST 1 AIRFLOWS [Acceptance Criteria in accordance to NSF49 2016 or EN 12469 2000 or equivalent]

Downflow Velocities (m/s)			
0.38	0.37	0.39	0.35
0.36	0.36	0.33	0.36
0.34	0.35	0.33	0.33

Mean Downflow Velocity: 0.35 - 0.50 m/s or Manufacturer's Specs

Inflow Air Vol. (L/s) or inflow Air Velocities (m/s)

Method Used: DIM or 76mm Constricted Opening

1.08	1.02	1.10	1.09	1.01
1.06	1.08	1.07		

Calculation to get mean inflow velocity

$$1.06 \times 0.435 = 0.46$$

Minimum Velocity	0.27 m/s	Average Extract Velocity (if applicable)	m/s
Maximum Velocity	0.36 m/s	Mean Extract Volume (if applicable)	cm/h
Mean Velocity	0.35 m/s	Inflow Volume (For Class III only)	cm/h
Within Tolerance (+/- 20% or +/- 25%)	Pass / Fail	TEST 3 DISPLAY READING & CALIBRATION	
Work Opening Height		Display	Measured
Work Opening Area		Downflow	0.25 0.35
Correction Factor if any	0.435	Inflow	0.47 0.46
Mean Inflow Velocity	0.46 m/s	Exhaust	- -
Inflow Velocity 0.45 m/s or 0.51 m/s or 0.45	Pass / Fail	Pressure	- -

TEST 5 SPEED CONTROL SETTINGS

TEST 6 FILTER INTEGRITY / HEPA / UPLA FILTER LEAK		
[In accordance to NSF49 2016 or EN 12469 2000 or equivalent]		
	Upstream Conc.	10 $\mu\text{g}/\text{L}$
Exhaust	% Pass / Fail / N.A.	Secondary Exhaust % Pass / Fail / N.A.
Downflow	% Pass / Fail / N.A.	Other Filter % Pass / Fail / N.A.

TEST 7 AIRFLOW VISUALISATION TEST

TEST 7 AIRFLOW VISUALISATION TEST		
[In accordance to NSF49 2016 or EN 12469 2000 or equivalent]		
Downflow	Smoke flow downwards, no dead spot and no escape	Pass / Fail
Viewscreen Retention	Smoke flow downwards, no dead spot and no escape	Pass / Fail
Work Opening Edge Retention	No smoke reflux out of the cabinet once drawn in, no smoke billow over worksurface	Pass / Fail
Sash Seal	Smoke flow downwards, no dead air corners	Pass / Fail

TEST 8 SITE INSTALLATION ASSESSMENT TEST [In accordance to NSF49.2016 or EN 12469 2000 or equivalent]

Window Sash Alarm	Alarm shall trigger when the sash is raised or above the manufacturer sash height	Pass / Fail	UV INTENSITY (More than 40 $\mu\text{W}/\text{cm}^2$)	189.4 $\mu\text{W}/\text{cm}^2$
Exhaust Alarm System	Supply fan interlock on Type B Cabinet or alarm on canopy connection on Type A Cabinet if ducted	Pass / Fail / N.A.	COMMENTS:	

TEST EQUIPMENT	Serial Number	Calibration Date	Calibration Due	TEST EQUIPMENT	Serial Number	Calibration Date	Calibration Due
Photometer				Airdata Meter			
Anemometer				Light Meter			
UV Meter				Sound Meter			
Multimeter				Particle Counter			

CONFORMITY

At the time of testing, the unit did / did not conform to NSF49 2016 or EN 12469 2000 or relevant standards

ENGINEER SIGNATURE:	SH	CLIENT SIGNATURE:	Am
ENGINEER PRINT NAME:	Mohammad Astori R.	CLIENT PRINT NAME:	Tri uniform





PT PRANA KELUARGA NUSANTARA

Jl. Bungkut Lor BL II P/2 Surabaya - 60293

Jl. Rungkut Lor RL II D/2 Surabaya
Telp. (031) 8793595 - Fax. (031) 8793595

E-mail : prama_keluarga_nusantara@yahoo.com

FAKTUR PENJUALAN

Nomor : 21997/PKN-INV/III/2022

Tanggal : 02 Maret 2022

NPWP : 01.874.459.9-615.000

UNIVERSITAS NAHDIATUL ULAMA SURABAYA

SMEA NO. 57, WONOKROMO

IPIN/IR : 01.148.533.1-609.001

Penerima,

Hormat kami,
PT. PRANA KELUARGA NUSANTARA

D. Mazzoni
D. Mazzoni
(RECARDO AMARAL R.)



INDRAMURTI
Direktur



PT. PRANA KELUARGA NUSANTARA

Jl. Rungkut Lor RL II D/2 Surabaya - 60293
Telp. 031-6782585

Telp. (031) 8793595 - Fax. (031) 8793595

E-mail : prana_keluarga_nusantara@yahoo.com

FAKTUR PENJUALAN

Nomor : 21997/PKN-INV/III/2022
Tanggal : 02 Maret 2022
NPWP : 01.874.459.9-615.000

Kepada : UNIVERSITAS NAHDLATUL ULAMA SURABAYA
Alamat : JL. SMEA NO. 57, WONOKROMO
NPWP : 01.148.533.1-609.001

Penarima

Hormat kami,
PT. PRANA KELUARGA NUSANTARA



INDRAMURTI

Direktur



PT. PRANA KELUARGA NUSANTARA
Jl. Rungkut Lor RI, II D/2 Surabaya - 60293
Telp. (031) 8793595 - Fax. (031) 8793595
E-mail prana_keluarga_nusantara@yahoo.com

FAKTUR PENJUALAN

Notori	01997/PBN/INV/III/2022	Kepada	UNIVERSITAS NAHDLATUL ULAMA SURABAYA
Tanggal	02 Maret 2022	Alamat	JL. SMEA NO. 57, WONOKROMO
NIPWP	01.874.455.9.615.000	NPWP	01.148.533.1-609.001

Penerima,

Hormat kami,
PT. PRANA KELUARGA NUSANTARA

(~~REIZANDO AMPI R.~~)



INDRAMURTI
Direktur

Faktur Pajak

Kode dan Nomor Seri Faktur Pajak : 010.003-22.36321997		
Pengusaha Kena Pajak		
Nama : PT PRANA KELUARGA NUSANTARA Alamat : JL RUNGKUT LOR RL II D NO 2 RT 003 RW 010 , KOTA SURABAYA NPWP : 01.874.459.9-615.000		
Pembeli Barang Kena Pajak / Penerima Jasa Kena Pajak		
Nama : Universitas Nahdlatul Ulama Surabaya Alamat : SMEA Blok - No.57 RT.000 RW.000 Kel.- Kec.Wonokromo Kota/Kab.Surabaya Jawa Timur 00000 NPWP : 01.148.533.1-609.001		
No.	Nama Barang Kena Pajak / Jasa Kena Pajak	Harga Jual/Penggantian/Uang Muka/Termin
1	Streamline Class II, Biological Safety Cabinet - S Series, 4ft/1,2m Rp 159.942.750 x 1	159.942.750,00
Harga Jual / Penggantian		159.942.750,00
Dikurangi Potongan Harga		0,00
Dikurangi Uang Muka		0,00
Dasar Pengenaan Pajak		145.402.500,00
PPN = 10% x Dasar Pengenaan Pajak		14.540.250,00
Total PPnBM (Pajak Penjualan Barang Mewah)		0,00

Sesuai dengan ketentuan yang berlaku, Direktorat Jenderal Pajak mengatur bahwa Faktur Pajak ini telah ditandatangani secara elektronik sehingga tidak diperlukan tanda tangan basah pada Faktur Pajak ini.

KOTA SURABAYA, 02 Maret 2022



INDRAMURTI

*EMBERITAHUAN: Faktur Pajak ini telah dilaporkan ke Direktorat Jenderal Pajak dan telah memperoleh persetujuan sesuai dengan ketentuan peraturan perpajakan yang berlaku. PERINGATAN: PKP yang menerbitkan Faktur Pajak yang tidak sesuai dengan keadaan yang sebenarnya dan/atau sesungguhnya sebagai/mana dimaksud Pasal 13 ayat (9) UU PPN dikenai sanksi sesuai dengan Pasal 14 ayat (4) UU KUP



CV. MENARA KHARISMA SEJAHTERA

Kahuripan Nirwana, The Gardin Blok BA 05 no. 06, Buduran - Sidoarjo

Telp: (031) 8720543 - Fax: (031) 8793595
Email: cv_menara_kharisma_sejahtera@yahoo.com

Sidoarjo, 28 Januari 2022

Pernihal : Penawaran Harga Biological Safety Cabinet

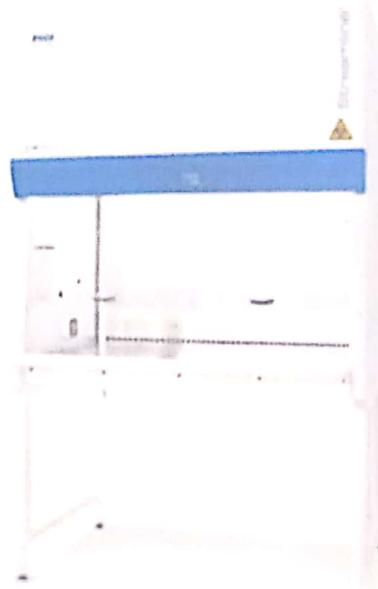
Kepada

Yth. Universitas Nahdlatul Ulama Surabaya
Jl. Jemursari No. 51 - 57
Surabaya

Dengan hormat,

Bersama ini kami dari "CV. Menara Kharisma Sejahtera" mengajukan penawaran harga Biological Safety Cabinet. Dengan spesifikasi sebagai berikut :

No	Nama	Quantity	Harga (Rp)
1	Streamline® Class II, Biological Safety Cabinet - S Series, 4ft / 1.2m	1 Unit	175.750.000
		PPN 10%	17.575.000
		Harga setelah PPN 10%	193.325.000



Description:

SC2-4S1 : Streamline® Class II, Biological Safety Cabinet - S Series, 4ft/1.2m

Certification : EN 12469 (cabinet performance), supported by NSF Certified Engineer

Nominal Size : 1.2 meter External Dimension : 1340 x 810 x 1400 mm

Dim Internal Work Area (W x D x H) : 1220 x 580 x 670 mm

Average Airflow Velocity : Inflow = 0.45 m/s Downflow = 0.30 m/s

Filter : >99.999% at 0.1 to 0.3 micron, ULPA as per IEST-RP-CC001.3 USA >99.999% at MPPS, H14 as per EN 1822 EU

Sound Emission Per IEST-RP-CC002 2* : EN: 57 dBA

Fluorescent Lamp Intensity : 1118 lux (104 foot-candles)

Controller : Sentinel™ Silver Microprocessor Controller

Cabinet Construction : Main Body : 1.2 mm (0.05") / 18 gauge EG Steel with Isocide™ Oven-Baked Epoxy-Polyester Powder Coating

Workzone : Single-piece work tray, 1.5 mm (0.06") / 16 gauge, SS304, with stainless steel side wall

Motor/fan : High performance EBM-PAPST permanently lubricated, centrifugal motor/fan with external rotor designs

Electrical : 220-240V, AC, 50Hz, 1φ, 308 W

Net Weight : 230 kg

Accessories :

1 X UV Lamp

1 X Support Stand

