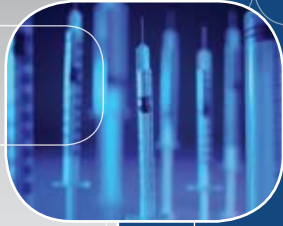


Cytoculture®



Cytoculture Lead-Shielded Class II Biosafety Cabinet
Model LS2-4A1.

Esco Cytoculture® Lead-Shielded Class II Biosafety Cabinet

Introduction

The Esco Cytoculture® Lead-Shielded Class II biosafety cabinet is designed for radiopharmaceutical industry usage and protects the operator during work involving radioisotopes.

Superior Protection for Radioisotope Laboratories

The operator is protected from radiation by the lead-shielded sides, lead-shielded work zone bottom and front sliding sash.

The air enters the cabinet through the front air grille, and travels through the KI-impregnated carbon filter on which radioactive iodine is adsorbed. Air then travels to the blower plenum where it is filtered by high-efficiency ULPA filters before being exhausted.

Main Features

- Class II Product / Operator / Environment Protection.
- Extra Safety: Cabinet air is filtered via 2 exhaust filters. This feature allows for filter-changing without prior decontamination of the cabinet.
- Lead-Shielded Protection: 3mm Pb lead-shielding on cabinet front sides, work zone bottom.
- Radiation proof glass with lead equivalence of 3mm.
- KI (potassium iodide) impregnated carbon filter for iodine adsorption.
- ULPA filters with typical efficiency of >99.999% for particle size between 0.1 to 0.3 microns provide ISO Class 3 cleanliness within the work zone.
- Isocide™ antimicrobial coated structure eliminates 99.9% of bacterial presence on external surfaces within 24 hours.
- Ergonomic sloped front eliminates glare off the front window, and ensures operator comfort during extended usage.
- Microprocessor-based control and alarm system.

- Extremely low noise level for quiet working environment.
- Additional options:
 - Lead-shielded back panel
 - Increased thickness of lead shielding up to maximum of 6mm

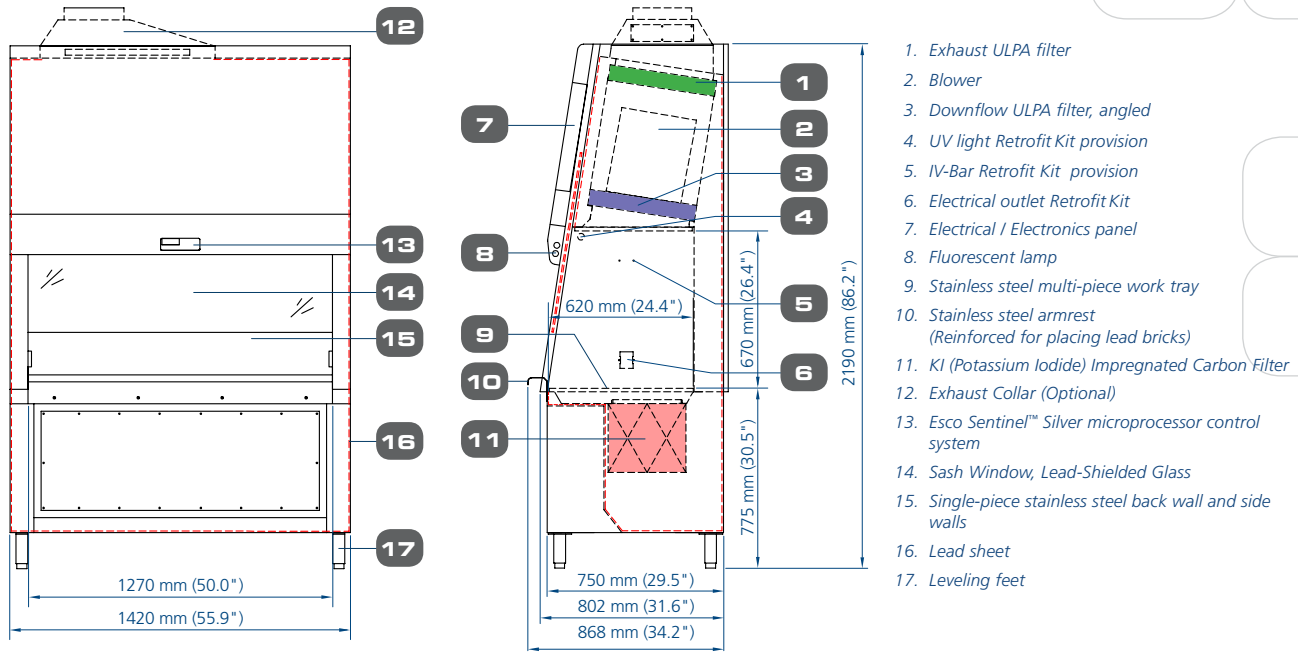
Accessories and Options

Esco offers a variety of options and accessories to meet local applications. Contact Esco or your local Sales Representative for ordering information.

- Electrical outlet, Ground Fault Circuit Interrupter, North America
- Electrical outlet, Europe / Worldwide
- Germicidal UV lamp
- Ergonomic lab chair



Model Cytoculture Lead-Shielded Class II Biosafety Cabinet Technical Specifications



General Specifications, Cytoculture Lead-Shielded Class II Biosafety Cabinet

Model		LS2-4A1
Nominal Size		1.2 meters (4')
External Dimensions (W x D x H)		1420 x 868 x 2190 mm (55.9" x 34.2" x 86.2")
Gross Internal Dimensions (W x D x H)		1270 x 620 x 670 mm (50.0" x 24.4" x 26.4")
Usable Work Area		0.60 m ² (6.4 sq.ft)
Tested Opening		203 mm (8.0")
ULPA Filter Typical Efficiency		>99.999% for particle size between 0.1 to 0.3 microns as per IEST-RP-CC001.3 USA
Fluorescent Lamp Intensity At Zero Ambient		>1375 Lux (>128 foot candles)
Cabinet Construction	Main Body	1.5mm (0.06") / 16 gauge electro-galvanized steel with ISOCIDE white oven-baked epoxy-polyester powder-coated finish
	Work Zone	1.5mm (0.06") / 16 gauge stainless steel, 4B finish
Average Airflow Velocity	Inflow	0.45 m/s (90 fpm)
	Downflow	0.30 m/s (60 fpm)
Electrical		220-240 VAC, 50 Hz, 1Φ
Net Weight		Approx. 1000 kg (2204 lbs)
Shipping Dimensions, Maximum (W x D x H)		1570 x 940 x 2210 mm (61.8" x 37.0" x 87.0")
Shipping Volume, Maximum		3.26 m ³ (115 cu.ft)

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