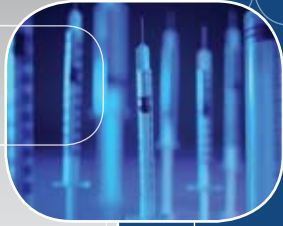


# Cytoculture®



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

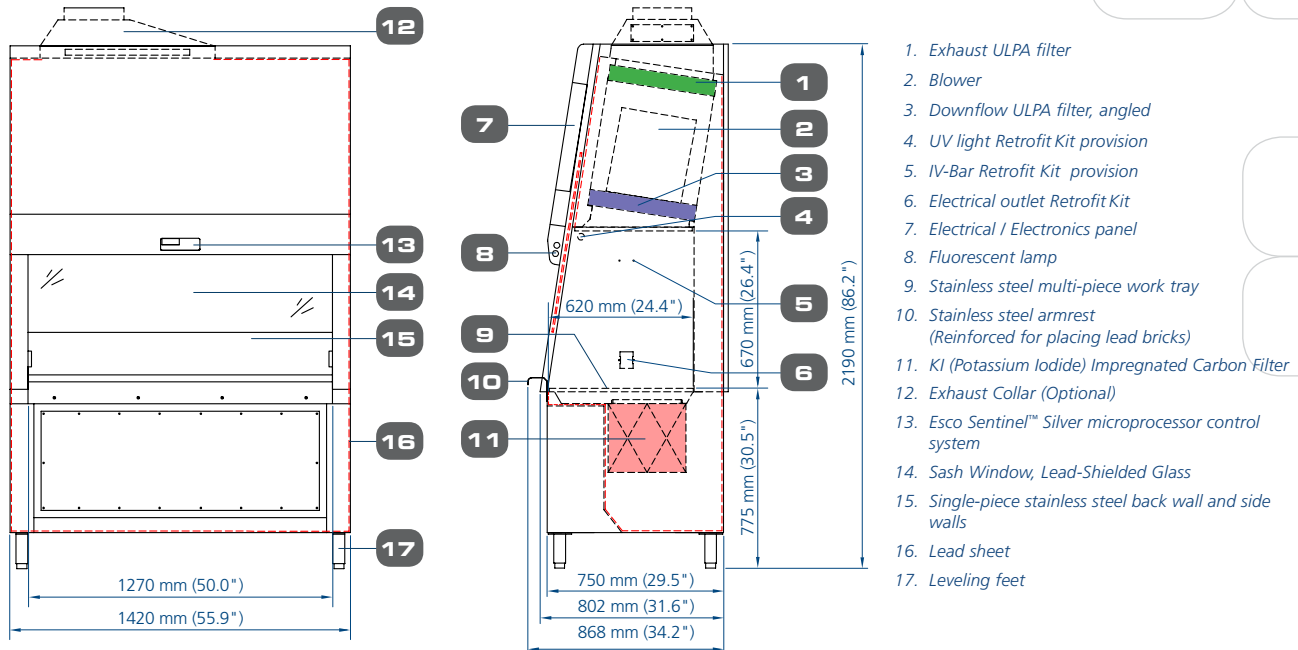
### Accessories and Options

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 <sup>2</sup> (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 <sup>3</sup> (115 cu.ft)

# ESCO

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