

## INTRODUCTION

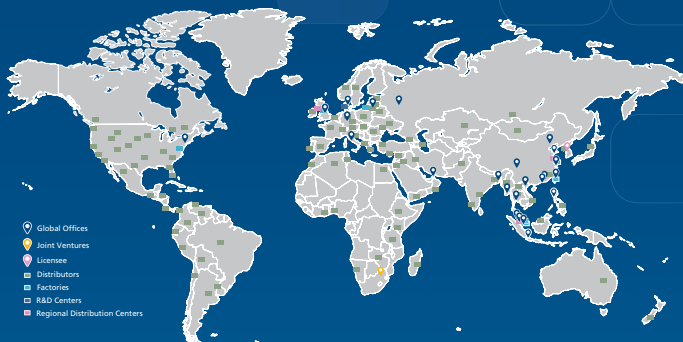
An ideal PCR laboratory should consist of three areas, each isolated from each other. Reagents should be prepared in the reagent preparation area and transferred to the sample preparation area, through a pass box or inside closed containers. After preparation of the final reaction mix, the tubes should be transferred to the amplification area, again through a pass box or in a closed container.

Esco PCR cabinets provide DNA and RNA-contaminant free environment through the use of HEPA filters and UV decontamination system. The cabinet can be installed in the reagent preparation area of the PCR laboratory.

## List of Applications

- PCR preparation
- Reagent preparation
- Nucleic acid handling
- Molecular biology research
- UV decontamination of regular lab items

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## Esco PCR Cabinets



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## Esco PCR Cabinets



### KEY FEATURES:

- HEPA-filtered laminar flow
- Protection against cross-contamination within the main chamber
- UV decontamination technology
- Isocide™ antimicrobial powder coating

### OVERVIEW OF MODELS

#### Streamline® Polymerase Chain Reaction Cabinets

##### Features

- ISO Class 3 Work zone
- Equipped with German-made ebm-papst® motors with external rotor design
- 15W UV Lamp
- 0.6 m in height (2')



#### Airstream® Polymerase Chain Reaction Cabinets

##### Features

- Pre-filter and main HEPA filter with a typical efficiency of >99.99% at 0.3 microns
- Built-in UV lamp with timer
- Sentinel™ Silver Microprocessor controller
- Available in 0.9 m (3') and 1.2 m (4') height"



#### More Benefits

##### Easy-to-Use

- Timer is easy to adjust
- UV hour meter monitors bulb life
- Automatic decontamination for 0.9 m (3') and 1.2 m (4') models
  - Close sash: UV turns on automatically for decontamination
  - Open sash: airflow activates automatically

##### Safety

- UV interlock prevents UV exposure
- UL recognized electrical components
- UV filtering sash and side walls

##### Two-in-One

Can be used as a regular laminar flow cabinet and UV can also be used for decontamination of regular lab items.

##### Ergonomics

- Low noise
- Angled front
- Glass sides
- Curved work surface front edge
- Powder-coated rear wall eliminates reflections
- Vertical airflow minimizes direct airflow towards operator, causing dry eyes

### OPTIONS AND ACCESSORIES



#### Support Stand with Caster Wheels (SPC)

- For 0.6 m (2'), 0.9 m (3'), and 1.2 m (4') models
- Available in two standard heights: 711mm (28.0") or 860mm (34.0")
- Durable polyurethane caster wheels with 360 degree horizontal rotation
- Total brake system on front wheels
- Maximum weight supported: 600 Kg (1323 lbs)



#### Support Stand with Leveling Feet (SAL)

- For 0.6 m (2'), 0.9 m (3'), and 1.2 m (4') models
- Available in two standard sizes: 737 mm (29.0") or 864 mm (34.0"), ±38.1 mm (1.5")
- Maximum weight supported: 500 Kg (1,100 lbs)



#### Telescoping Support Stands with Leveling Feet (STL)

- For 0.9 m (3') and 1.2 m (4') models
- Allow manual adjustment of the product height. The cabinet must be removed from a Telescoping Support Stand prior to adjustments
- Adjustable height range: 660-940 mm (26.0"-37.0"), adjustable in 25.4 mm (1.0") increments
- White oven-baked epoxy powder-coated finish
- Maximum weight supported: 600 Kg (1323 lbs)