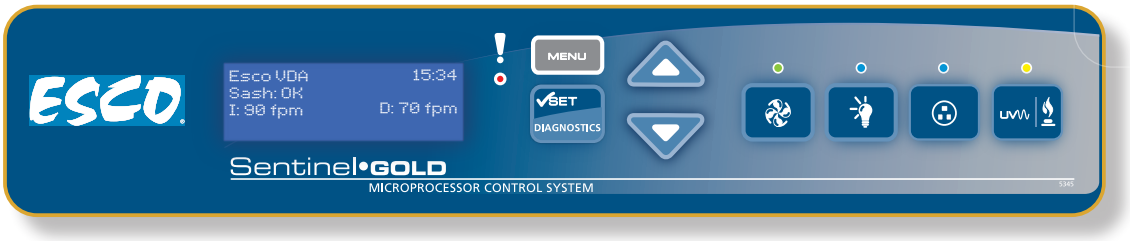
ESCO LIFESCIENCES

*VIVA® Dual Access Animal Containment Workstation, Model VDA-4A_*

VIVA® Dual Access Animal Workstation

The Portable Safety Solution for Animal Research Laboratories



Airflow Sensor

- *Real-time airflow monitoring system*
- *Alerts the user if the airflow is insufficient*

Sentinel™ Gold Microprocessor Controller

- *Displays all safety information on one screen*
- *Centered and angled down for an easy reach & viewing*
- *Selectable quickstart mode for fast operation*

Easy-to-clean Work Surface and Drain pan

- *Two-piece, easy-to-lift stainless steel tray*
- *Drain hole on both sides to dump animal bedding*

Easy Work Access

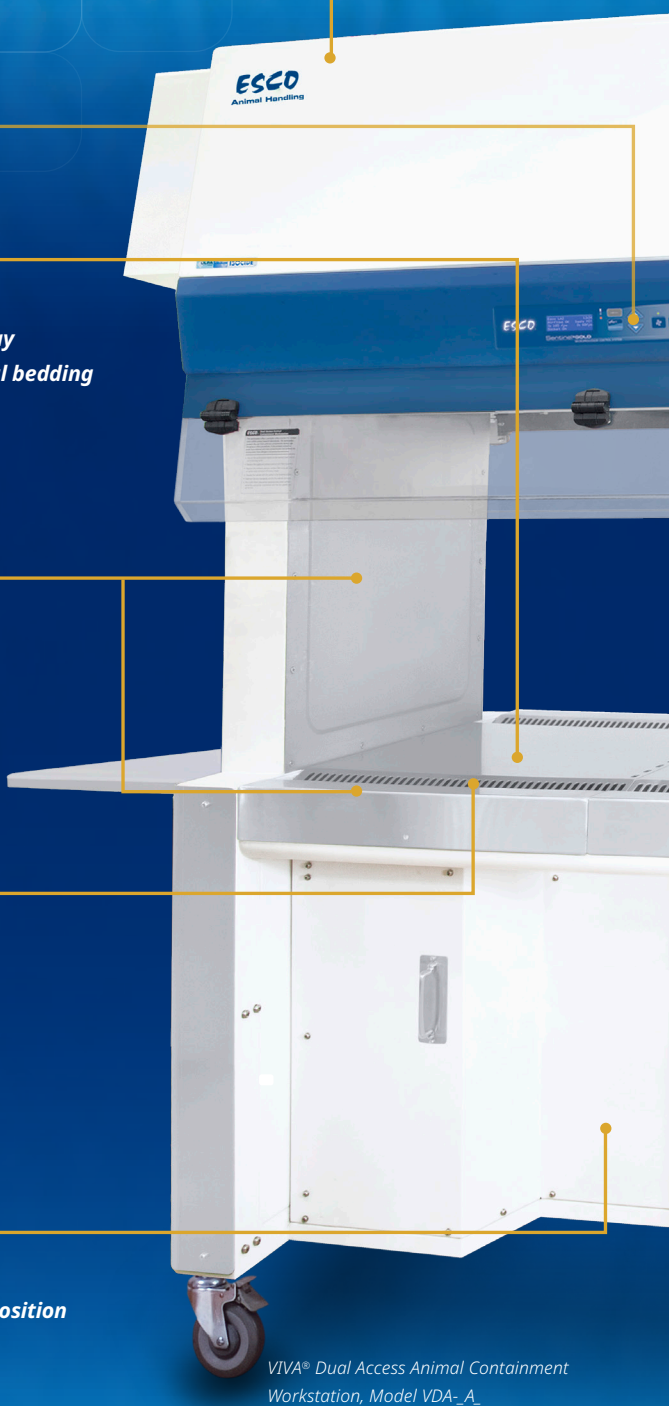
- *Large access opening of 344 mm (14")*
- *Accomodates rat and mouse cages*
- *Hinged up for easy cleaning*

Advanced Work Tray Design

- *V-shaped grill to avoid blocking*
- *Center grill to separate clean and contaminated area*
- *Large tray handle for easy lifting*

Comfortable Leg Room

- *254 mm (10") leg room on both sides*
- *Reduces user's fatigue when in sitting position*
- *Hydraulic motor to adjust the height*



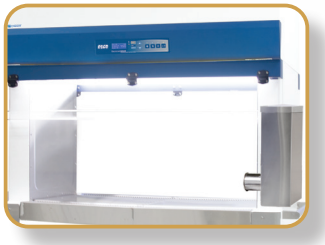
*VIVA® Dual Access Animal Containment Workstation, Model VDA-_A_*
Available in 1.2, and 1.5 meter models (4', and 5').

Accessories and Options

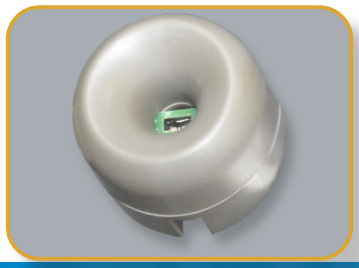
Contact Esco or your Esco Sales Representative for details.

- *Electrical Outlets*
- *Foldable Side Tray*
- *Side Shield*
- *Feed Hopper*
- *Service Fixtures*

Side Shield



Feed Hopper

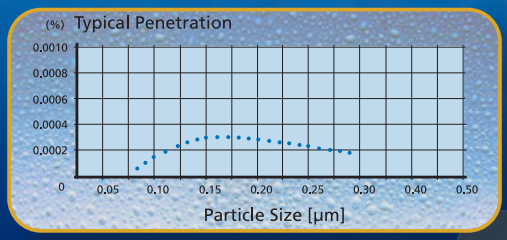


ELISA Proven Containment

- *Provides >99% allergen containment to ensure user's safety*

ULPA Filter

- *10x filtration efficiency than of HEPA filter*
- *Creates an ISO Class 3 work-zone instead of the industry-standard ISO Class 5*

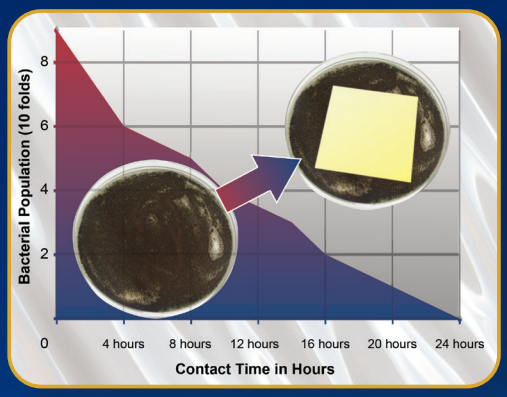


Quiet Operation

- *Comfortable low noise emission at 53 for the users and animals*

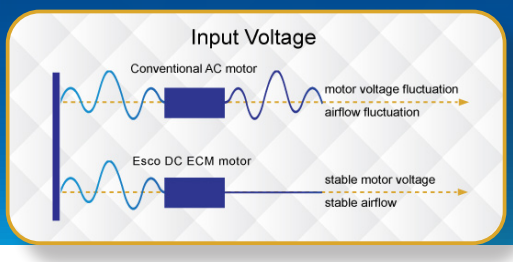
Isocide™ Antimicrobial Coating

- *Silver-ion impregnated powder coat*
- *Inhibits the microbial growth to improve safety*

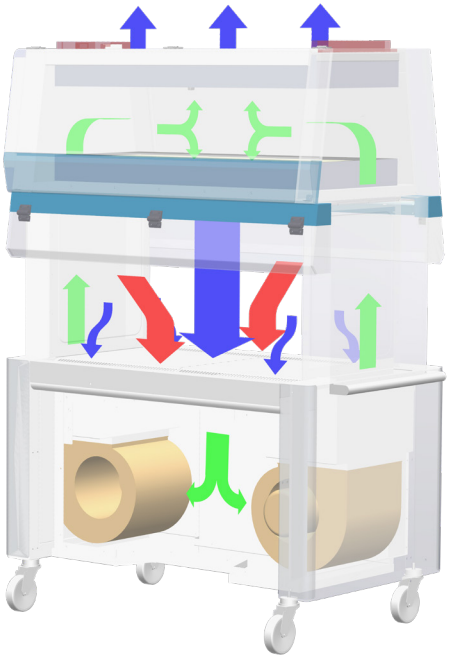


Dual Energy-efficient DC ECM Blower

- *Powered by the latest generation DC ECM that is more efficient than legacy ECM and VFD motors*
- *70% Energy savings compared to AC motor*
- *Stable airflow despite building voltage fluctuations & filter loading*



	Air Quality	Filtration	Electrical Safety
Standards Compliance	ISO 14644.1, Class 3, Worldwide JIS B9920, Class 3, Japan JIS BS5295, Class 3, Japan US Fed Std 209E, Class 1 USA	EN-1822 (H14), Europe IEST-RP-CC001.3, USA IEST-RP-CC007, USA IEST-RP-CC034.1, USA	UL-61010A-1, USA CSA22.2, No.1010-192, Canada EN61010-1, Europe IEC61010-1, International



AIRFLOW PATTERN

- The VDA Dual Access Workstation employs a recirculating airflow configuration for better filtration efficiency.
- The blower system pulls ambient intake air through the front grilles, creating inflow that provides operator protection from allergen inside the work-zone. An activated carbon pre-filter removes unpleasant odors
- Air flows through the common plenum on top of the cabinet. A portion of it goes up through ULPA filter as exhaust to create inflow. The remaining portion goes down through ULPA supply filter and bathes the work-zone in clean laminar air with a non-turbulent downflow.
- The combination of vertical laminar inflow and downflow creates an air curtain to protect the user from contaminants released from the work surface.

ULPA-filtered air
Unfiltered / Potentially contaminated air
Room air / Inflow air

General Specifications, VIVA® Dual Access Animal Containment Workstation, Model VDA

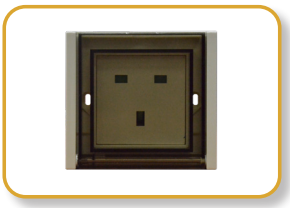
Model		VDA-4A_	VDA-5A_
External Dimensions (W x D x H)		1343 x 765 x 1965 mm (52.8" x 30.1" x 77.4") min height 1343 x 765 x 2249 mm (52.8" x 30.1" x 88.5") max height	1648 x 765 x 1965 mm (64.8" x 30.1" x 77.4") min height 1648 x 765 x 2249 mm (64.8" x 30.1" x 88.5")max height
Internal Work Area (W x D x H)		1110 x 468 x 573 mm (43.7" x 18.4" x 22.6")	1415 x 468 x 573 mm (55.7" x 18.4" x 22.6")
Inflow Velocity		0.19 ± 0.025 m/s (37 ± 5 fpm)	
Downflow Velocity		0.24 ± 0.025 m/s (48 ± 5 fpm)	
Pre-Filter		Disposable and non-washable polyurethane impregnated with carbon pre-filter	
ULPA Filter Typical Efficiency		>99.999% for particle size between 0.1 to 0.3 microns, per IEST-RP-CC001.3	
Sound Emission per EN 12469*		53 dBA	54 dBA
LED Lamp Intensity		1226 lux (114 foot candles)	1354 lux (126 foot candles)
Construction, Main Body		1.5 mm (0.06") 16 gauge EG Steel with Isocide™ Oven-Baked Epoxy-Polyester Powder Coated Finish	
Electrical Rating	VDA-_A8	220-240 VAC, 50 / 60 Hz, 1Ø	
	VDA-_A9	110-130 VAC, 50 / 60 Hz, 1Ø	
Power Consumption**	VDA-_A8	190 W	230 W
	VDA-_A9	210 W	250 W
Accessories	Foldable Side Tray (SS Shelf Kit)	VDA-001 5170257	
	Side Shield	VDA-004 5170562	VDA-005 5170563
	Feed Hopper	VDA-006 5170594	
Shipping Dimensions, Maximum (W x D x H)		1450 x 850 x 2250 mm (57.1" x 33.5" x 88.6")	1720 x 850 x 2250 mm (67.7" x 33.5" x 88.6"")
Shipping Weight		350 Kg (772 lbs)	390 Kg (860 lbs)
Shipping Volume, Maximum		2.77 m^3 (97.8 cu.ft.)	3.30 m^3 (116.5 cu.ft.)

** Noise as measured in an open field / anechoic chamber.*

*** Electrical power consumption is a measurement of new unit within nominal set point. Result may vary due to several independent variables*

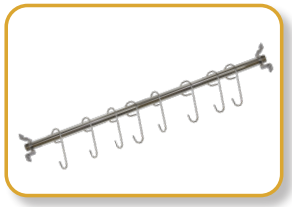
Side Shield

Feed Hopper



EO-H_

EO-GFCI



IV-_

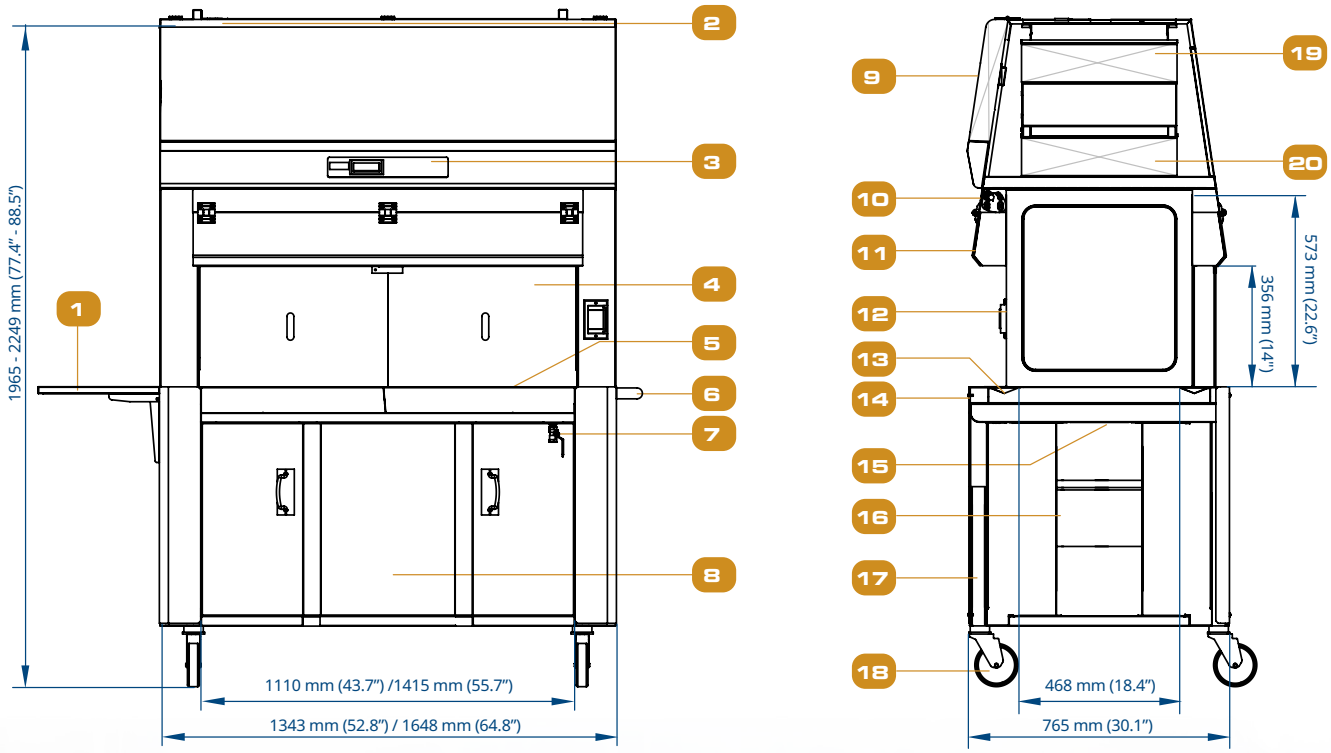
MEWREST

FT-REST

ME-LD-AR360

IQOQ

Engineering Drawing



1. Optional Foldable Side Tray
2. Airflow Sensor
3. Sentinel™ Gold Microprocessor Control System
4. Optional Side Shield
5. Stainless Steel SS304 Work Top
6. Push Handle
7. Drain Valve (1 on each side)
8. Knee Space (254 mm / 10" Deep) at both sides
9.Electrical Panel
10. LED Lamps (1 on each side)
11. Hinged Polycarbonate Window
12. Electrical Outlets with Cover (1 on each right side)
13. Recessed Air Intake Grill
14. Arm Rest
15. Impregnated Activated Carbon Pre-filter
16. DC ECM Blower (Self-compensating and Low Noise)
17. Electric Hydraulic Height Adjustor
18. Caster Wheels
19. Exhaust ULPA/H14 Filter
20. Downflow ULPA/H14 Filter

IN THE LOOP

Everything You Need to Know Before Purchasing a Animal Research Workstation

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Animal research workstations provide operator protection when handling animals during clinical research. There are multiple types of animal research workstations, and it is vital to choose the right type and model according to the application needs.

FACTORS TO CONSIDER WHEN PURCHASING AN ANIMAL RESEARCH WORKSTATION

- Durability
- Performance
- Low maintenance cost
- Energy efficiency
- Wide and easy access work area
- Ergonomics
- Filter efficiency
- Value for money
- ADA-compliant
- ELISA-verified for protection against allergens
- After-sales service

TYPICAL QUESTIONS YOU SHOULD ASK

- What application/s would the animal research workstation be used for?
- Does the personnel require protection from biohazardous samples?
- What is the preferred work surface material and construction?
- What is the preferred controller type?
- What is the airflow configuration? Does it include an airflow monitoring system?
- What are the primary operational accessories needed?
- How much is the installation cost and how difficult is it to install?
- How much is the operational cost?
- What is the required workstation size?
- Will it fit in the lab?
- Will the unit fit on hallways, doors, elevators, and other paths?

WHY YOU NEED A NEW ONE

- Setting up a new laboratory facility.
- Replacing an old and less efficient unit that has a high operational cost.
- Defective unit due to electronics or mechanical malfunctions.
- Animal research workstation repeatedly failed the certification which means it's no longer safe to use.
- Additional unit due to an increase in laboratory works.

VA2-4A1-E
VIVA® Universal Animal Containment Station

VDA-4A8
VIVA® Dual Access Animal Containment Station

VBD-4A1
VIVA® Bedding Disposal Containment Station

SCAN HERE

The Efficient Safety Solution for Animal Research Laboratories

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Esco Micro Pte. Ltd.
19 Changi South Street 1 Singapore 486779
escolifesciences.com

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Improving Lives Through Science

DIRECT MANUFACTURER

- Animal Research Workstation
- Biosafety Safety Cabinet
- CO_2 Incubator
- Ducted Fume Hood
- Ductless Fume Hood
- Filtered Storage Cabinet
- Laboratory Centrifuge
- Laboratory Oven and Incubator
- Laboratory Refrigerator and Freezer
- Laboratory Shaker
- Laminar Flow Cabinet
- PCR Cabinet
- PCR Thermal Cycler
- Powder Weighing Balance Enclosure
- Ultra-low Temperature Freezer

ESCO® LIFESCIENCES

- Airflow Containment
- Cross-Contamination Facility Integrated Barrier
- Isolation Containment
- Ventilation Containment
- Radiopharmacy
- Adherent Cell Bioreactors
- Adherent Automated Cell Harvesting System
- Cell Culture Monitoring Tools
- Single-use Consumables for Bioprocessing

ESCO® MEDICAL

- Time-Lapse Incubator
- Benchtop Incubator
- ART Workstation
- CO_2 Incubator
- Anti-Vibration Table
- Gas Analyser
- Centrifuges

ESCO® ASTER

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Esco Micro Pte. Ltd. • 19 Changi South Street 1 • Singapore 486 779
Tel +65 6542 0833 • Fax +65 6542 6920 • mail@escolifesciences.com
www.escolifesciences.com

Esco Technologies, Inc. • 903 Sheehy Drive, Suite F, Horsham, PA 19044, USA
Tel: +1 215-441-9661 • Fax 484-698-7757
eti.admin@escolifesciences.com

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