

Laboratory Equipment

FertiLab IVF Workstation



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Introduction

Our IVF Workstation, featuring vertical laminar flow, is designed for In Vitro Fertilization and Sample Handling, offering precise temperature control across the work surface. It can integrate a microscope and chambers, available in various sizes and configurations. Suited for non-hazardous applications, it provides ISO 5 air in a positive-pressure environment, ensuring a clean workspace free from airborne particulates.



Product Features

- 1. Double-layer filtration, efficient and clean:** VOC pre-filtration and HEPA high-efficiency filtration system. Vertical Laminar Flow and the velocity range is 0.2~0.5m/s. Imported high-quality EC fans provide uniform air speed. The air velocity deviation is less than 10%. Activated carbon pre-filters and HEPA filters (H14) are also included to provide ISO class 5 clean local environment.
- 2. Accurate Temperature Control:** Stainless steel heating table surface with high excellent accuracy at $\pm 0.1^{\circ}\text{C}$ and uniformity at $\pm 0.2^{\circ}\text{C}$. The 90mm diameter heated glass plate with ITO coating provides excellent accuracy at $\pm 0.1^{\circ}\text{C}$ and a large transmission illumination area.
- 3. Anti-vibration Table:** Mechanical isolation completely separates the inverted microscope on the anti-vibration table from the workstation table to isolate vibrations from the fan and manipulation. Spring steel anti-vibration system and damping foot pad isolate vibrations from the ground.
- 4. Visualized and Convenient Operation:** Intuitive multi-function touch screen can provide real-time temperature control, function setting, operation monitoring, appointment switch on/off , alarm setting, etc.

5. Large space and comfortable operation: The spacious double workstation space accommodates mainstream microscopes on the market. Equipped with one set of inverted mirror and one set of stereoscopic mirror for comfortable operation.

Technical Specifications

IVF Workstation for One Workplace

Model	IWS-950	IWS-1350A	IWS-1350C	IWS-1350S
Overall Dimensions (WxDxH)(mm)	970x813x2080		1370x813x2080	
Workspace Dimensions (WxDxH)	950x568x792		1350x568x792	
Mains Voltage, Frequency and Power Consumption	220V, 50Hz, 1350W			
Cleanliness Class	ISO Class 5; VOC pre-filter, HEPA filter			
Laminar Velocity	0.20-0.50m/s, 0.32m/s—high speed; 0.25m/s—low speed			
Air Curtain System (Optional)	None			
Noise Level	52±2db—high speed; 46±2db—low speed (actual data depends on noise level of the background)			
Incorporated Heated Glass	x1	x1	x1	None
Halogen Light Source	x1	x1	x1	None
Anti-vibration System (choose one out of three) 1)Spring-loaded & Mechanical (Standard) 2)SOTO Passive (Optional) 3)ARIS Active Integra (Optional)	None	None	None	Standard
U-shape Heating Table Surface	x1	x1	x1	None
Integrated CO2 Incubator	x1	x1	None	x1
Monitor with 2K Resolution (Optional)	None	19 inch (optional)	19 inch (optional)	19 inch (optional)
Multi-Functional Screen	7 inch			
Waterproof Sockets	Standard (2 units)			
RFID Matching System	None			
Recording for Stereomicroscope operation(Optional)	None			
Working Space Monitoring System(Optional)	Optional			
Environment Sensing System(Optional)	None			
Keyboard (Optional)	None	Optional	Optional	None
Soft Film Keyboard	Standard			

Technical Specifications

IVF Workstation for Two Workplaces

Model	IWS-1800M	IWS-1800S	IWS-1800D	IWS-1800
Overall Dimensions (WxDxH)(mm)	1852x813x2080			
Workspace Dimensions (WxDxH)	1832x568x792			
Mains Voltage, Frequency and Power Consumption	220V, 50Hz, 1950W			
Cleanliness Class	ISO Class 5; VOC pre-filter, HEPA filter			
Laminar Velocity	0.20-0.50m/s, 0.32m/s—high speed; 0.25m/s—low speed			
Air Curtain System (Optional)	Optional			
Noise Level	52±2db—high speed; 46±2db—low speed (actual data depends on noise level of the background)			
Incorporated Heated Glass	x1 (R or L)	None	x2	x1 (L)
Halogen Light Source	x1 (R or L)	None	x2	x1 (L)
Anti-vibration System (choose one out of three) 1)Spring-loaded & Mechanical (Standard) 2)SOTO Passive (Optional) 3)ARIS Active Integra (Optional)	Standard (R or L)	Standard (L)	None	None
U-shape Heating Table Surface	x1 (R or L)	None	x2	x1 (L)
Integrated CO2 Incubator	x1	x1	x2	x1 (L)
Monitor with 2K Resolution (Optional)	23.8 inch (Optional)			
Multi-Functional Screen	10.1 inch			
Waterproof Sockets	Standard (2 units)			
RFID Matching System	Standard	None	Standard	Standard
Recording for Stereomicroscope operation(Optional)	Optional	None	Optional	Optional
Working Space Monitoring System(Optional)	Optional			
Environment Sensing System(Optional)	Optional			
Keyboard (Optional)	Optional (not available with Air Curtain system)			
Soft Film Keyboard	Standard			

Shanghai Unicorn Medical Technology Co., Ltd.

Room J, Building 4, B Zone, No. 925 Yecheng Road, Jiading Industrial Area, Shanghai

Tel: +86 (021) 5106 8473 Cel: +86 173 1710 8636 Email: info@unicornlifescience.com

www.unicornlifescience.com

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