

IVFtech Sterica

IVFtech
for the next generation

IVFtech Sterica

IVFtech Sterica cabinets are designed to protect the samples with a constant flow of clean air, and is made to meet the specific requirements of IVF Laboratories. It is build the provide a vertical laminar flow. The vertical laminar flow provides clean air over the whole of the working area and is manufactured to meet the requirements for IVF laboratory work, such as "vitrification", "ICSI" manipulation, "sperm collection" and IVF routine work.

With control board with timer to switch on/off the fan and on/off the heated tabletop. All brands of microscope can be installed, choice between oculars through the front window or a secondary window inside the cabinet, which allows the front window to be closed.

The low speed of the fan gives longer life of HEPA filters and blowers and saves energy and less turbulence around the microscope.

Laminator/diffuser uniforms airflow allows more balanced air through lower speed.

The IVFtech Sterica cabinets can be customized to all the above functions and provides an flexible back bone of any IVF laboratory as the cabinets comes in four sizes, with or without height adjustable legs

Options back wall:

Sizes are available in: 90, 120, 150 and 180cm

Heights are available in: 700-750mm, 800-850mm, 900-950mm and 705-1100mm

Options for Sterile cabinet back wall:

- Flow meter
- Electrical plugs
- Monitor outside/inside
- Preparations for incubator
- Humidification system
- Aspiration tunnel
- UV light

Options table top:

- Stainless steel or Himacs® tabel top
- Standard heat 450 x 650mm
- Full heated 450 x 830mm
- Extra heat 450 x 200mm
- Extra heat 450 x 400
- Witness preparation flush
- Anti-vib
- IVFtech heated glass Ø60mm
- Table top integrated incubator

Low noise level - <51 dB(A)

IVFtech Sterile cabinet has been designed to give you the lowest noise level on the market

Filtration

Class H-14 HEPA filters in accordance with EN 1822. Filter efficiency 99.999% against 0.3 µm particle size. 99.995% in MPPS. HEPA filters are protected by a carbon pre-filter for longer life.



Maintenance & Service

The maintenance of IVFtech cabinets is done from the front, no need for moving the cabinets, which in turn reduces down time during service.

HiMacs or Stainless steel:

The Hi-Macs® table tops provides an excellent alternative to Stainless Steel. The Hi-Macs® surface is stain resistant and easy clean. Hi-Macs® is scratch resistant and doesn't scratch as easy as stainless steel, furthermore the Hi-Macs® surface can be refurbished and repolished. Easy to see the writing on the dish when working on the Hi-Macs® surface.

Advantages

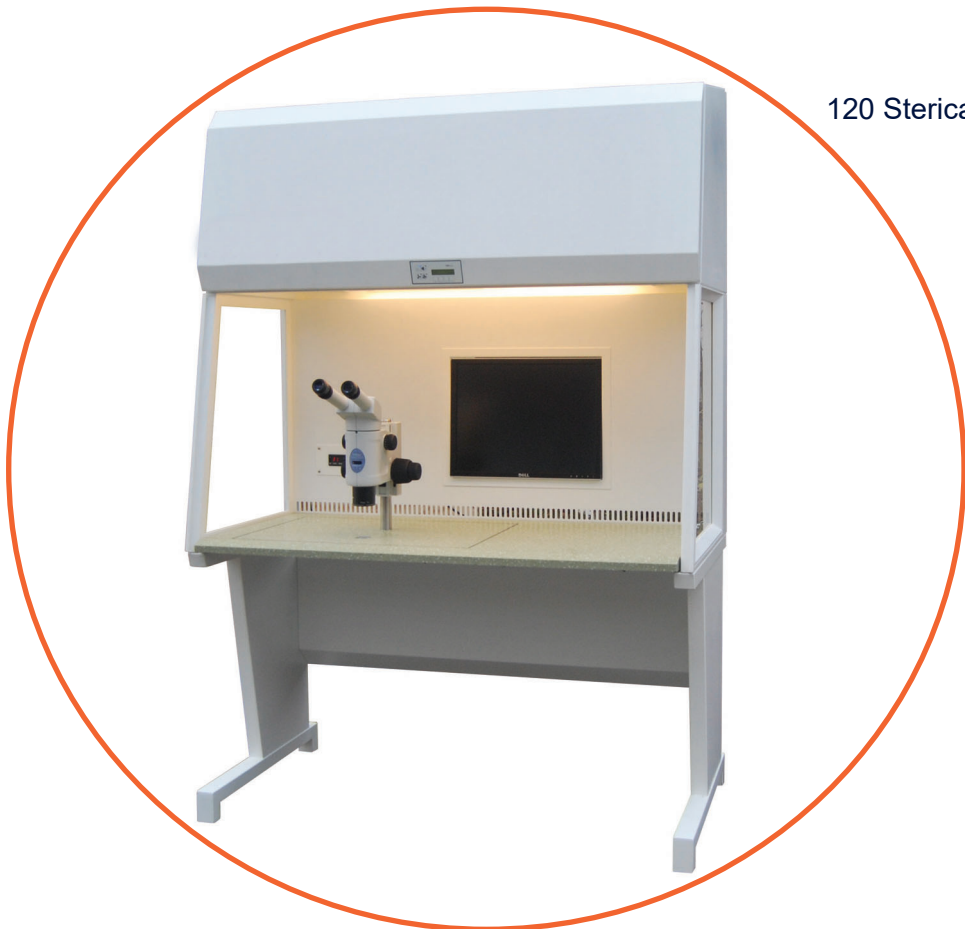
- Easy to use
- Easy to service
- Easy to clean
- Hi-Macs® table tops
- Low noise level <51dB(A)
- Air speed +/- 10%
- Big variety of options
- Slope front for ergonomic work

Products to be used with IVFtech sterile cabinet

- Warming blocks
- Magnetic Shelf
- Pull-out shelf
- Accessories for humidification
- Mini incubator
- Loudspeakers

Technical specification

Sterica model	90	120	150	180	Unit
External dimensions (DxWxH)	695x1015x2066	695x1320x2066	695x1625x2066	695x1930x2066	mm
Internal dimension (DxWxH)	560x950x635	560x1255x635	560x1560x635	60x1865x635	mm
Product weight	140	150	180	190	kg
Shipping dimensions (WxDxH)	1650x900x1600	1650x900x1600	2200x900x1600	2200x900x1600	mm
Shipping weight / volume	250 / 2.0	260 / 2.0	290 / 2.5	300 / 2.5	kg/m2
Internal height for cabinet	752 / 744 for ICSI microscope				mm
Front opening, fixed	340				mm
Fixed support stand height from floor to working area (3 models are optional w. adjustable feet's)	700-750				mm
	800-850				mm
	900-950				mm
Electrical adjustable stand option	705-1100				mm
Front opening, w/ Antivibration	460				mm
Air velocity, vertical flow	0.32				m/s
Air velocity, deviation	10				±%
Flow rate	1260	1680	2120	2515	m3/hr
Noise Level, ISO6081	< 51 dBA				dBA
Acoustical alarm sound press	> 75 dBA				dBA
Acoustical alarm frequency	2,5KHz/250milisecond beep with a frequency of 2 HZ				KHz
Carbon Prefilter dim. (WxDxH)	580x330x1.2	885x330x1.2	1190x330x1.2	1495x330x1.2	mm
HEPA filter type	H-14				
HEPA filter dim. (WxDxH)	910x457x115	1220x457x115	1525x457x115	1830x457x115	mm
Work chamber LED light	1980	3080	3960	4840	Lumen
Work chamber LED light	Dimmable 10-100%				%
Heated table top temp.	Default setting 37 °C, adjustable ambient to 43 °C				°C
Table top sensor accuracy	± 0.1				°C
Heated table top temperature deviation	± 0.5				°C
Microscope light					
Control	Dimmable 0-100%				%
Halogen option	230				Lumen
LED option	300 (3000 Kelvin)				Lumen



120 Sterica with green Hi-MACS

180 Sterica with heated stage and anti-vibration platform



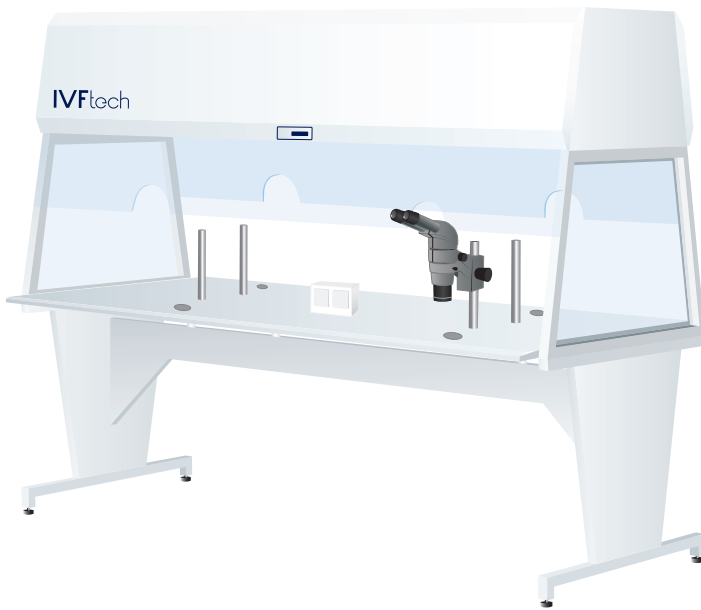
Technical specification

Sterica models: 90/120/150					Unit
Power consumption Max		No Heat	Single Heat	Double Heat	Watt
		350	625	900 - N/A for Sterica 90	
Main overcurrent protection fuse	Voltage	No Heat	Single Heat	Double Heat	Ampere
	230VAC	5	5	5	
	115VAC	10	10	10	
Max power consumption outlets		No Outlets	Single Outlet	Double Outlets	Watt
		N/A	250	500	
Outlet overcurrent protection fuse	Voltage	No Outlets	Single Outlet	Double Outlets	
	230VAC	N/A	1	2x1	
	115VAC	N/A	2	2x2	
Operational voltage and frequency	220-240Vac / 50-60 Hz or 110-120Vac / 50-60 Hz				

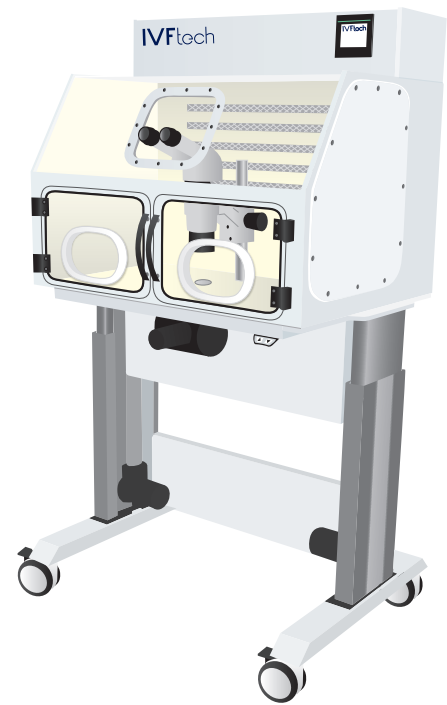
Sterica model: 180					Unit
Power consumption Max		No Heat	Single Heat	Double Heat	Watt
		670	945	1220	
Main overcurrent protection fuse	Voltage	No Heat	Single Heat	Double Heat	Ampere
	230VAC	5	6	6	
	115VAC	10	12	12	
Max power consumption outlets		No Outlets	Single Outlet	Double Outlets	Watt
		N/A	250	500	
Outlet overcurrent protection fuse	Voltage	No Outlets	Single Outlet	Double Outlets	
	230VAC	N/A	1	2x1	
	115VAC	N/A	2	2x2	
Operational voltage and frequency	220-240Vac / 50-60 Hz or 110-120Vac / 50-60 Hz				

Other cabinets in IVFtech serie

Javica



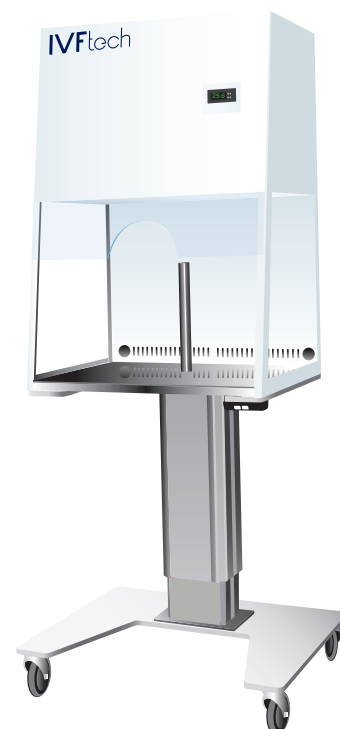
Unica



Classica



Econica



IVFtech

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