

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 manufactured to meet the specific requirements of IVF Laboratories. It is designed to provide a vertical laminar flow of clean air covering the whole surface area. The Sterica is suitable for all your IVF laboratory needs including vitrification, ICSI manipulation, sperm collection and all IVF routine work.

Features include a timer to switch the fan and heated surfaces automatically on/off.

Accommodates all major brands of microscope.

Choice of oculars, one for the front window or a secondary window inside the cabinet, which allows the front window to be closed. (Although this is not mentioned on the order form)

The specially designed laminator or diffuser enables uniform airflow 0.32m/s at lower fan speeds, providing not only less turbulence but saves on energy and increases the lifespan of the HEPA filter. The IVFtech Sterica cabinets can be customized to your specific requirements with a choice of 6 sizes, unheated or heated and prepped for microscopes with fixed or electrically adjustable stands.

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 Electrically adjustable stand

Options for Sterica 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® table top
- Standard heated area 450 x 650mm
- Full heated area 450 x 830mm
- Extra heated area 450 x 200mm
- Extra heated area 450 x 400mm
- Witness preparation flush with surface
- Anti-vibration platform
- IVFtech heated glass Ø45mm Ø60mm
- Table top integrated incubator
- Gas Mixer
- Shelf for Gas
- Warming Blocks
- Cooling System
- Shelf and Drawer Options

Low noise level - <51 dB(A)

IVFtech Sterica 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 a longer life.



Maintenance & Service

The maintenance of IVFtech cabinets is performed from the front, therefore there is no need to move the cabinets to gain access, which reduces down time during servicing.

HiMacs or Stainless steel:

The Hi-Macs® table tops provide an excellent alternative to Stainless Steel. The Hi-Macs® surface is stain resistant and easy to clean. Hi-Macs® is scratch resistant and unlike stainless steel, the Hi-Macs® surface can be refurbished and repolished and provides good visualization of the underside of the dishes.

Advantages

- Easy to use
- Easy to service
- Easy to clean
- Hi-Macs® table top option
- Low noise level
- Air speed variation of only +/- 10% meaning a quieter, economical fan.
- Unrivalled variety of options
- Ergonomic sloping front

We can even change the colour of your cabinet and put your logo on it.

Products to be used with IVFtech Sterica 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) | 695x1015x1240 | 695x1320x1240 | 695x1625x1240 | 695x1930x1240 | 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



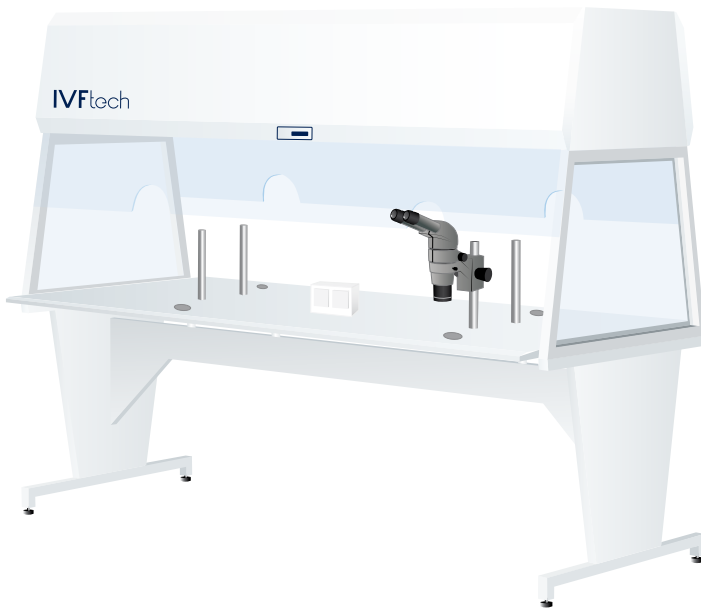
Technical specification

| 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 | | | | |

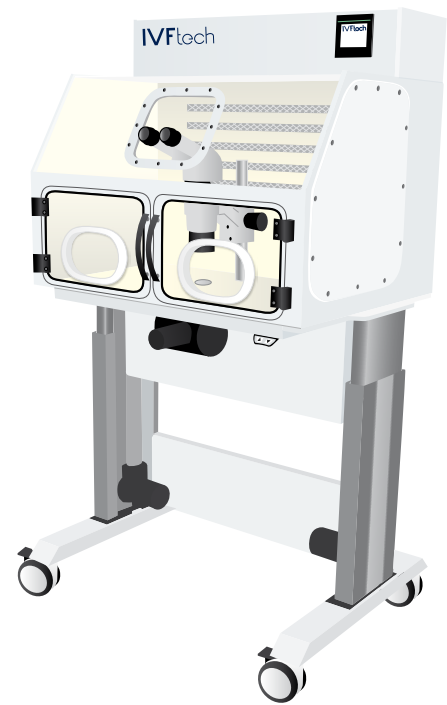
| Sterica model: 180 | | | | | Unit |
|------------------------------------|--|------------|---------------|----------------|-------------|
| Power consumption Max | | No Heat | Single Heat | Double Heat | Watt |
| | | 670 | 945 | 1220 | |
| Main overcurrent protection fuse | Voltage | No Heat | Single 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 series

Javica



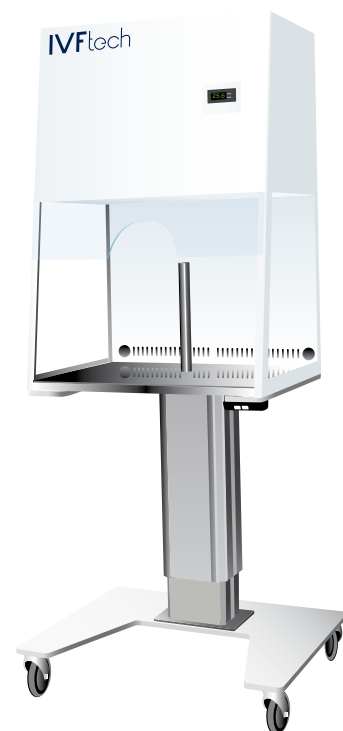
Unica



Classica



Econica



IVFtech

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