

IVF

WORKSTATIONS

with laminar airflow



PRODUCT PROTECTION

Workstations (cabinets) are specially designed for laboratories of In Vitro Fertilization (IVF).

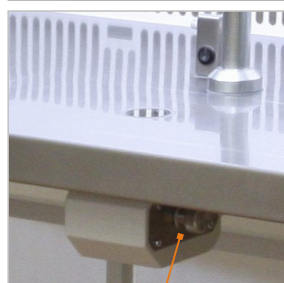
High pure air environment in the cabinet chamber provides solid protection of the technological process and minimizes the risk of microbial contamination when working with oocytes and embryos and doing research in Assisted Reproductive Technologies (ART).



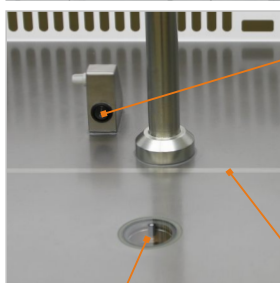
Touchscreen



Optional integrated monitor 21.5"



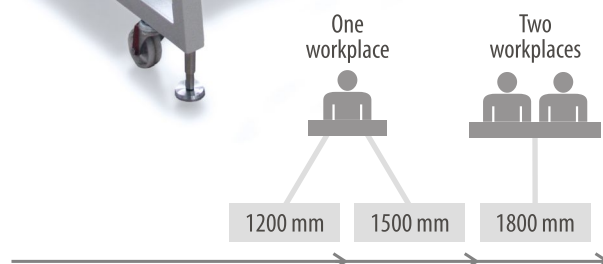
Oblique illumination with adjustable angle of arrival



Control of the light brightness

Smooth monolith tabletop of stainless steel without cavities in the areas of heated tabletop

Integrated light source with heated glass



Cabinet control is exercised with the help of the color touchscreen:

- Selection and adjustment of the airflow settings (setting up, operating, economy, purity maintaining modes)
- Setting of the automatic start of the cabinet (guarantees readiness of the cabinet for operation by the beginning of the workday)
- Setting of the tabletop heating temperature (in configurations with two heating surfaces, temperature is set up separately for each)

Cabinets are supplied with HEPA filters H14 complied to the European Standard EN 1882-1 and providing air cleanliness with efficiency 99,995% for particles sized 0,3 μm .

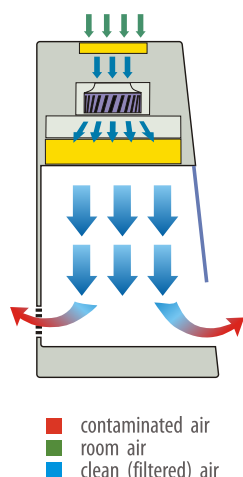
Standard features of the laminar flow cabinet are enhanced with a charcoal filter purifying air from volatile organic components. Filter substitution is easily performed without specialist's help.

LED lights specter in the working area excludes UV component.

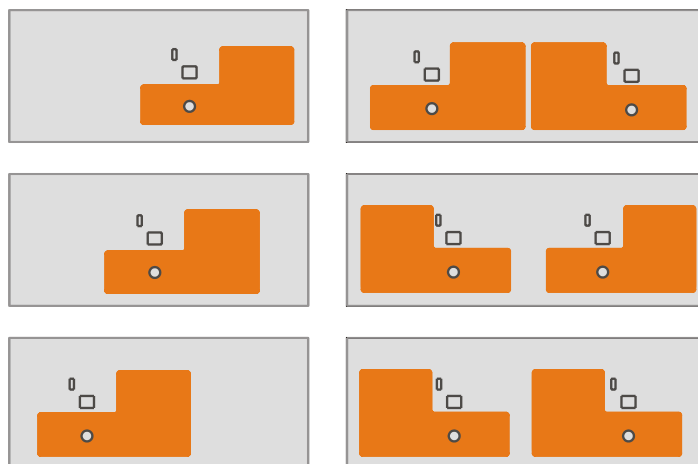
Built-in system for premixed gas supply and moisturization.

Low level of the acoustic noise and minimal vibration due to radial noise free EC fans create comfortable conditions for a longtime work of the embryologist.

AIR FLOW SCHEME



VARIATIONS OF LOCATION AND ARRANGEMENT OF HEATED SURFACES



Mirrored positions are also available.

CHARACTERISTICS

Air cleanliness class in the working chamber of the cabinet for suspended particles (aerosol) content according to ISO 14644-1-2002	5 ISO
Class of the HEPA filters installed in the cabinet according to EN 1822 -1-2010	H14
HEPA filter efficiency for particles sized 0.3 um according to EN 1822 -1-2010, %	99,995
Average downflow velocity in the working chamber, m/s	0,40
Illuminance level in the working zone, Lux, not less than	1000
Operating modes: Setting up - purging Maximum fan power for 1 min Operating mode Specified working velocity of the airflow Purity maintaining mode Fan in economy mode, lighting and other functions are on Economy mode 50% fan capacity	
Initiation of the operating mode	can be set up with timer

CHARACTERISTICS OF HEATED SURFACES

Temperature regulation range, °C	room t° to + 45
Temperature regulation accuracy, °C	±0,2

MAIN PARAMETERS AND DIMENSIONS

	1200 mm	1500 mm	1800 mm
Dimensions of the cabinet assembled with the stand (WxDxH), mm	1200x760x1915	1500x760x1915	1800x760x1915
Dimensions of the working chamber (WxDxH), mm	1130x630x660	1425x625x640	1730x630x650
Input power of the cabinet, W, not more than (exclusively of the load on the built-in outlets)	990	980	940
Maximum acceptable load on the built-in outlets, W, not more than	1000	1000	1000

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