

Integrated BioStation

Stereoscope workstation



Inverted microscope workstation



▶ Flat work area with 3 embedded warmers

A plate warmer and right- and left-side warmers are embedded into stage area, as are all electric cables. The flat work area is conducive to smooth, high throughput sample processing. The temperatures of plate and side warmers are independently controlled from the front panel.



▶ High level clean environment

HEPA filters, with a 99.99% dust removal efficiency, maintain an aseptic work area. An air curtain at the edges of the entrance prevents the inflow of outside air.

▶ Color monitor for realtime viewing and recording

A color monitor embedded in the rear wall displays the live stereoscope image for convenient discussion and demonstrations. An optional VCR is also available for archiving results.



▶ Versatile airflow and light controls

Two top-mounted lamps supply illumination to the cabinet: 4 × 20 watt fluorescent, and an adjustable incandescent lamp for work requiring low light levels. The stereoscope's transmitted and reflective illumination are controlled by side dials.



▶ The ultimate aseptic workstation! (AIM series)

An inverted microscope, anti-vibration system, and micromanipulator are fully integrated into our clean bench to create the ultimate aseptic workstation for microinjection, electroporetic fusion or transfection, and other techniques.

▼ OPTION



IC-01

● Incubation chamber

Chamber, placed over one of the built-in heaters, holds environmental temperature steady and has inlets for gas mixtures, making it suitable for maintaining cell cultures while in the BioStation.

▼ SPECIFICATIONS

Dimensions (mm)

AT100, AIM100 : W1000×D750×H1900
AT130, AIM130 : W1300×D750×H1900
AT160, AIM160 : W1600×D750×H1900

Work area (mm)

AT100, AIM100 : W940×D600×H650
AT130, AIM130 : W1240×D600×H650
AT160, AIM160 : W1540×D600×H650

Illumination

Fluorescent lamp
AT100, AIM100 : 4×20watt
AT130, AIM130 : 4×20watt
AT160, AIM160 : 6×20watt
Incandescent lamp
2×15W (adjustable intensity)

HEPA filter

Efficiency : 99.99%
Pore Size : 0.3 μm

Monitor

13' Color LCD

Warmer Temperature

(Ambient + 5°C) to +50°C

Air Circulation

Vertical Laminar Flow
0.4m/sec flowrate

Electricity

AC100-120V 50/60Hz

Vibration Isolation System

Special Diaphragm Air spring isolation with Orifice Air Damping. Automatic Leveler keeps the surface table level automatically.

Weight

AT100 : 200kg AIM100 : 220kg
AT130 : 260kg AIM130 : 280kg
AT160 : 300kg AIM160 : 320kg



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