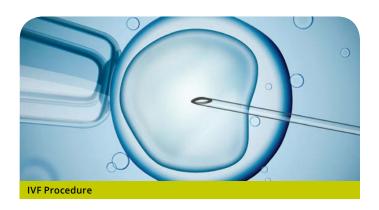


HALCYONICS_WOCKSTATION ACTIVE VIBRATION ISOLATION WORKSTATION



Mobile cabinet optional

ACTIVE VIBRATION ISOLATION IVF WORKSTATION



Accurion's IVF Workstation has been specially designed for the use with in-vitro-fertilization so that biologists can ergonomically sit in front of their microscope.

The workstation consists of a lab table with integrated active vibration isolation system to actively compensate incoming vibrations. The incorporated i4 system is self explanatory with a control panel of only three buttons which allows the user to completely focus on the application. An active system enables you to work without disruptions and will increase your efficiency.

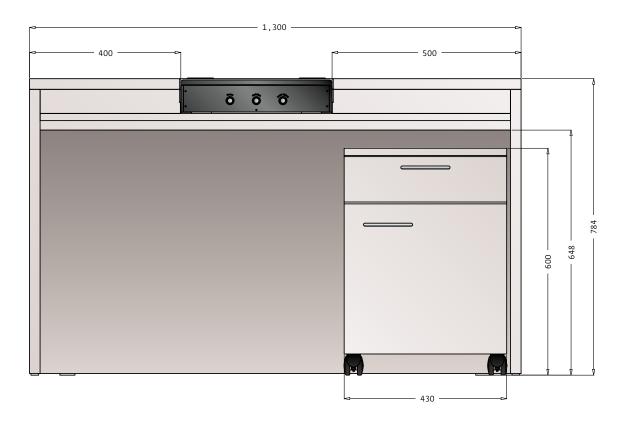
Due to the nonisolated surface space the user's arms can rest comfortably without impacting the procedure. In contrast to heavy granite tables its sleek design allows using your space to full capacity and also complements your existing furniture. In addition to that the active isolation system provides superior isolation performance and overcomes the disadvantages usually associated with passive systems.

Aside from functionality and stability, Accurion paid particular attention to medical standards, e.g. proper surface coating. A mobile cabinet would be available as optional accessory.

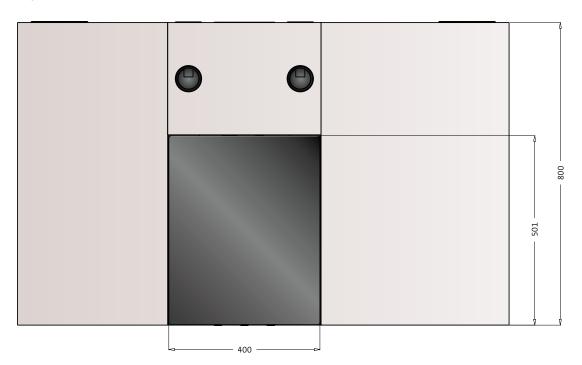


IVF WORKSTATION

Isolated surface i4 (W × D): 400×500 mm | 15.7" × 19.7" Overall dimensions (W × D × H): $1300 \times 800 \times 784$ mm | 51.2" × 31.5" × 30.9"



Top View

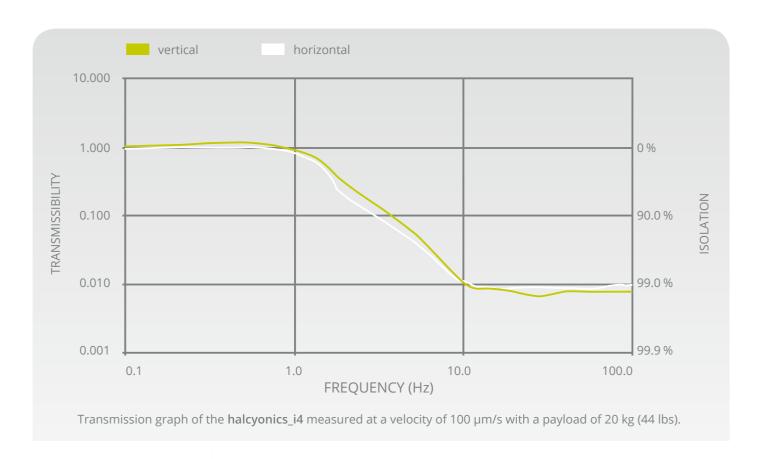


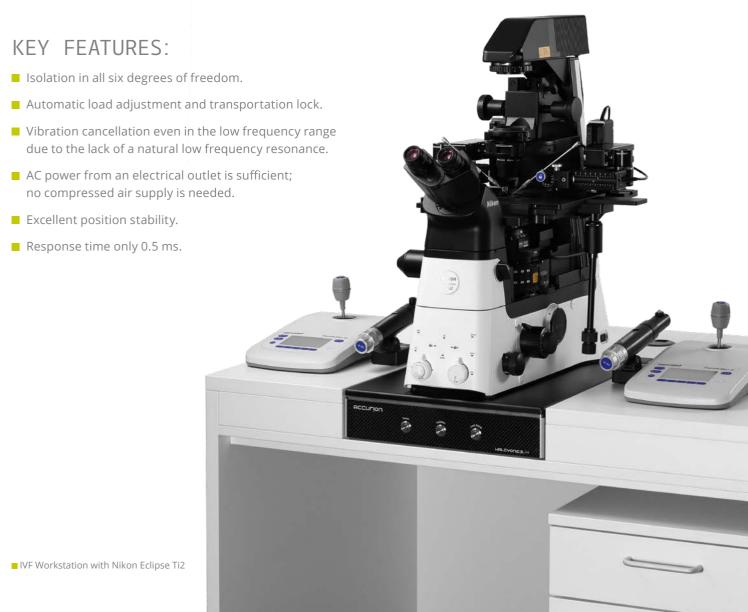
SPECIFICATIONS	IVF Workstation
Dimensions of isolated surface (L × W)	400 × 500 mm 15.7 × 19.7 inch
Overall dimensions (L × W × H)	1300 × 800 × 784 mm 51.2 × 31.5 × 30.9 inch
Load capacity on isolated surface	0 – 120 kg 0 – 265 lbs
Isolation technology	Halcyonics control technology based on piezoelectric type acceleration pickup, fast signal processing and electro-dynamic force transducers.
Force directions	Active compensation in all six degrees of freedom.
Isolation performance	> 5 Hz = 25 dB (94.4 %) > 10 Hz = 40 dB (99 %)
Active bandwidth	0.6 – 200 Hz* (passive isolation beyond 200 Hz)
Settling time	300 ms**
Response time	0.5 ms***
Stroke of the actuator	1 mm
Max. correction forces	Vertical ± 8 N Horizontal ± 4 N
Max. compensation level	500 μm / sec. at 6 Hz and 60 kg / 132 lbs**
Repeatability of load adjustment	120 μm
Table top material on isolated surface	Powder coated aluminum
Table top material non-isolated surface	Medium density fiberboard with outer melamin resin surface
Top plate surface flatness	± 0.10 mm over complete surface
Environmental and operational requirements	Electrical voltage: $100 - 240 \text{ V} / 47 - 63 \text{ Hz}$ Power consumption: Typically $40 - 45 \text{ W}$ Operating temperature: $15 - 40 \text{ °C} / 59 - 104 \text{ °F}$ Relative humidity: $0 - 60 \text{ %}$ Operating altitude: $< 2,500 \text{ m} / 8,100 \text{ ft}$
Electrical safety	CE certified according to directive 2006/95/EC
ЕМС	CE certified according to directive 2004/108/EC

^{*}The low-pass characteristics of the spring-mass combination dominate the dynamic behavior of the isolation system above 200 Hz. The part of the active isolation decreases with increasing frequency.

^{**}The settling time and maximum compensation level depend on several conditions such as payload, frequency and load distribution. The mentioned settling time value is exemplary for a centric load of 80 kg. The settling time defines the time until an incoming vibration is compensated.

^{***}The response time determines when the system starts to actively isolate an incoming vibration after detection by the sensors.





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