

LABOX



ANTIVIBRATION TABLE

Second generation of Ultimate solution for ISCI, IMSI, embryo biopsy, and other procedures sensitive to vibrations, like cells micromanipulation. The table is comfortable and ergonomically designed. The microscope is placed on the same level as the table top. The anti vibration insert has low profile, there are no obstacles underneath the table desk. Table can be equipped with pull-out keyboard tray, underdesk shelf with electric HUB, useful also to place to PC, UPS, etc.



- + Ultimate antivibration system designed for IVF micro-manipulation
- + Comfortable and ergonomic design
- + Easy upgradable from passive to active solution
- + Maintenance free solution



TECHNICAL PARAMETERS

Overall dimensions	1100-1200x700-800x750 (WxDxH)
AV section dimensions	320x560 (WxD)
Pull-out shelf for the keyboard dimensions	300x350 (WxD)
Load capacity of AV section	adjustable from 15 to 75 kg
Material	table top: stainless steel, construction frame: powder coated steel
AV technology	Passive (mechanical) or Active (motorized)
<i>Passive AV insert (PST) parameters</i>	
Vibration isolation performance	-40 db reduction between 20 Hz - 40 Hz
Settling time	< 0.3 sec
<i>Active AV insert (ACT) parameters:</i>	
Vibration isolation performance	-8 db gain on 1Hz; 20 db gain on 2Hz
Settling time	< 0.1 sec
Active AV insert (ACT) needs to be connected to electric power source 80-260V/50-60Hz	

LFM75-IVF AV TECHNOLOGY DESCRIPTION

The passive system LFM75 PST will work in most environment. The system has highly damped step respond. High vibration absorption and isolation performance, due to specially designed pasive damping, which works in all directions. Suitable solution in IVF laboratories where people walking, door closing, etc. Installation is simple and AV effect is stable, reliable and maintenance free.

The active vibration control LFM75 ACT systems are the best solution for microscopes requiring absolute precision. It protects the microscope and the cell from vibrations coming from all directions. The surrounding vibration is measured by the internal sensor, which is transmitted to the control unit. Actuators get order to react with an out-of phase inverse force. The active system is the best AV solution. It works good also in such problematic environment , like premises with raised floor or close to huge road traffic, trams, railways, and other source of vibration.

The AV table LFM75 has unique feature. The passive AV insert can be replaced by active one. It means no need to replace, in case of need, the whole AV table.

OPTIONAL: AV SOLUTION WITH LAMINAR AIRFLOW PROTECTION WORKSTATION FBB-IVF-R

Cleanliness grade acc. to EU	A
Cleanliness class acc. to ENISO 14644	ISO 5
Air-flow speed (m.s-1)	0.40±0.05 full mode, 0.20±0.05 reduce mode (user adjustable)
Main advantages	low noise, state of the art anti vibration design and features, smart technology

Unique solution for vibration sensitive works in laminar air flow ambient. Complete separation of laminar airflow cabinet and AV table. Fully covers requirements of the GMP standards (cleanliness class A). It is suitable solution even for such sensitive procedures like the micromanipulation.

Note: If you are looking for a standard laminar cabinet for IVF please take a look at the FBB-IVF. For operation which requires to protect both the material and the operator please consider to purchase biological safety cabinet MBB-IVF.

