

# LABOX



## ANTIVIBRATION TABLE LFM

Second generation of state-of-art 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 shelf, a underdesk shelf with electric HUB and cable organizer for installation of PC, UPS, etc.

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



## LFM75 PST

The passive system LFM75 PST will work in most environment. The system has highly damped step respond. High vibration absorprion and isolation performace, due to specially designed passive 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 LFM75 anti-vibration table has unique features. The ability to upgrade from a passive solution to an active solution is very advantageous. This means that is not necessary to replace the entire table, but only the AV insert itself.

## LFM75 ACT

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.



*Optional: AV solution with laminar airflow protection workstation FBB-IVF-R*

## 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	