

ESCO
MEDICAL



MIRI[®] AVT

Anti-Vibration Table

**Useful in micromanipulation procedures
like Intra-Cytoplasmic Sperm Injection (ICSI).**

Easy-to-Use and Maintenance Free.



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MIRI® AVT

Anti-Vibration Table

Esco Medical MIRI® AVT is an anti-vibration table, intended to be used with high-magnification microscopes. It isolates the microscope from vibrations generated in the room where the table is located, as well as from vibrations originating above or below any part of the table-top that is not part of the AVT platform.

The table consists of a sturdy frame made from high-quality stainless steel, which makes it easy to clean and maintain.



The anti-vibration platform, which houses the anti-vibration mechanism, is located in the middle of the table-top, floating on the AVT mechanism. The desired microscope can be placed directly on the anti-vibration float.

FEATURES:

Anti-Vibration Platform

Range (HZ) vibration could be eliminated while using this AVT: 5.5-50Hz

Stainless-Steel Table-top

Enhances table's sturdiness, eases maintenance and cleaning

Sturdy Table Frame

Achieved by a combination of rubber, stainless and powdered mild steel

The Mechanism



The anti-vibration mechanism works as a passive damping device and only partially damps the vibration that is generated on the AVT platform itself.

The vibrations are eliminated efficiently through an optimized choice of mass and support stiffness ensuring a passive dampening.

In all buildings, floors vibrate at low frequencies that may affect the performance of high-magnification microscope. The effects of vibration can be greatly reduced by installing a system that isolates the microscope area. The degree of improvement varies between instruments and locations, depending on the amplitude and frequency of floor vibrations.

Note: This product does not carry a CE mark. Only those product categories that are subject to specific CE marking directives are required (and allowed) to carry CE marking. There are no such categories or directives that would include a non-electrical anti-vibration table as MIRI® AVT. The product is manufactured under ISO 9001 Quality Management System.

General Specifications



Overall Dimensions (W x D x H)	1200 x 800 x 785 mm (47.2 x 31.5 x 31")
Net weight	117 kg (258 lbs)
Material	Powder-painted mild steel/Stainless steel
Float Size (W x D)	540 x 340 mm (21.3 x 13.4")
Recommended load weight	15 – 75 kg
Damping coefficient (6 Hz)	~ 0.1
Amplitude (6 Hz)	< 1 µm
Vibration Criteria	VC-C*
Frequency Range of Isolation	1 Hz – 100 Hz
Vertical Natural Frequency	1.5 Hz – 3 Hz
Horizontal Natural Frequency	1 Hz – 2 Hz
Damping Ratio	0.1 – 0.3

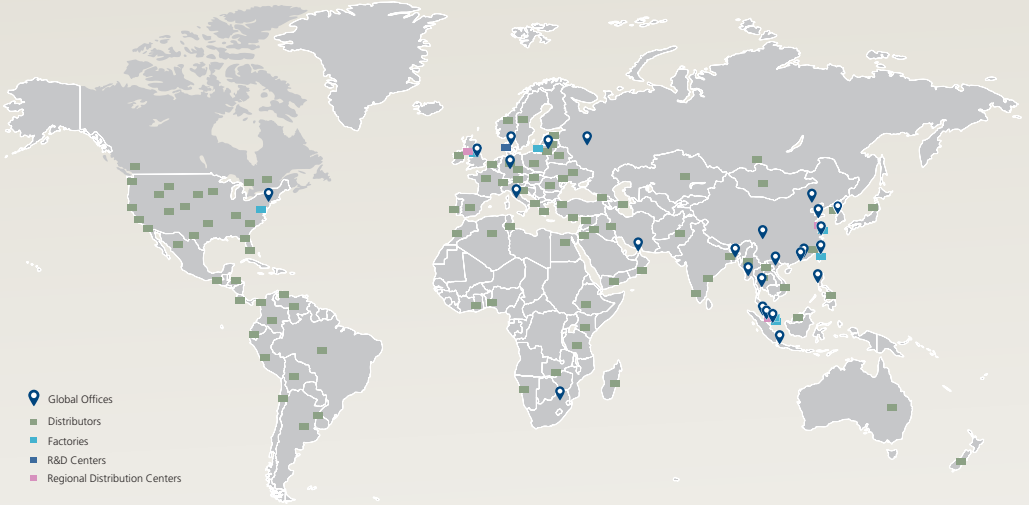
*VC-C: More sensitive equipment (12.5 µm/s). A good standard for lithography and inspection equipment down to 1 micron detail size.

Ordering Information

ITEM CODE	MODEL CODE	DESCRIPTION
1320484	MIRI® AVT	Anti-Vibration Table MIRI® AVT



ESCO LIFESCIENCES GROUP



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Esco Medical Products:

- MIRI® Multiroom Incubator
- MIRI® Humidity Multiroom Incubator
- MIRI® II-12 Multiroom Incubator
- Mini MIRI® Dry Incubator
- Mini MIRI® Humidity Incubator
- MIRI® TL6 Time-Lapse Incubator
- MIRI® TL12 Time-Lapse Incubator
- Multi-Zone ART Workstation
- MIRI® Laminar Flow Cabinet
- MIRI® Evidence RFID Traceability System
- CelCulture® CO₂ Incubator
- MIRI® GA (Gas and Temperature Validation Unit)
- MIRI® AVT
- CultureCoin®

Infertility is a problem that has a significant social, psychological, and economic impact on afflicted individuals and couples. It is a global concern that knows no race or creed. It has been estimated that 1 in 6 couples struggle with infertility at least once in their lifetime.

Esco Medical is one of the divisions of the Esco Lifesciences Group. We provide innovative technological solutions for fertility clinics and laboratories. We aim to become the leading manufacturer of high-quality equipment such as long-term embryo incubators, ART workstations, anti-vibration tables, and time-lapse incubators.

Our products are designed with the Silent Embryo Hypothesis as a guiding principle. The Silent Embryo Hypothesis states that the less disturbed an embryo can remain, the better its developmental potential will be. Most of our products are designed in Denmark and made in the EU. Our primary focus is to increase pregnancy success rates and patient satisfaction.



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