



AVT-1[®]

Anti-Vibration Table

**Useful in micromanipulation procedures
like In Vitro Fertilization (IVF) and
Intra-Cytoplasmic Sperm Injection (ICSI).**

Easy-to-Use and Maintenance Free.



table of contents

AVT Parts and Features4

AVT Mechanism6

General Specifications7

Ordering Information7



AVT-1®

Anti-Vibration Table

Esco Medical AVT-1® 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 placed and from vibration generated 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 tabletop is made of stainless steel with glass on both sides.



In the middle of the tabletop is the anti-vibration platform, which houses the anti-vibration mechanism and it is floating on the AVT mechanism. The microscope is placed on the anti-vibration float.

FEATURES:

Anti-Vibration Platform

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

Anti-Vibration Mechanism

Passive Dampening

Tabletop

Made of stainless steel with an elegant glass design

Sturdy Frame

A table support made of stainless steel that provides durability and strength

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 AVT-1®. The product is manufactured under ISO 9001 Quality Management System.

General Specifications



AVT-1®

Overall dimensions (W x D x H)	1200 x 800 x 800 mm
Material	Powder painted mild steel/Stainless steel/Glass
Float	Size 540 x 340
Power consumption	115V 60Hz OR 230V 50Hz
Recommended load weight	26-32 kg
Damping coefficient (6 Hz)	~0.1
Amplitude (6 Hz)	<1 µm

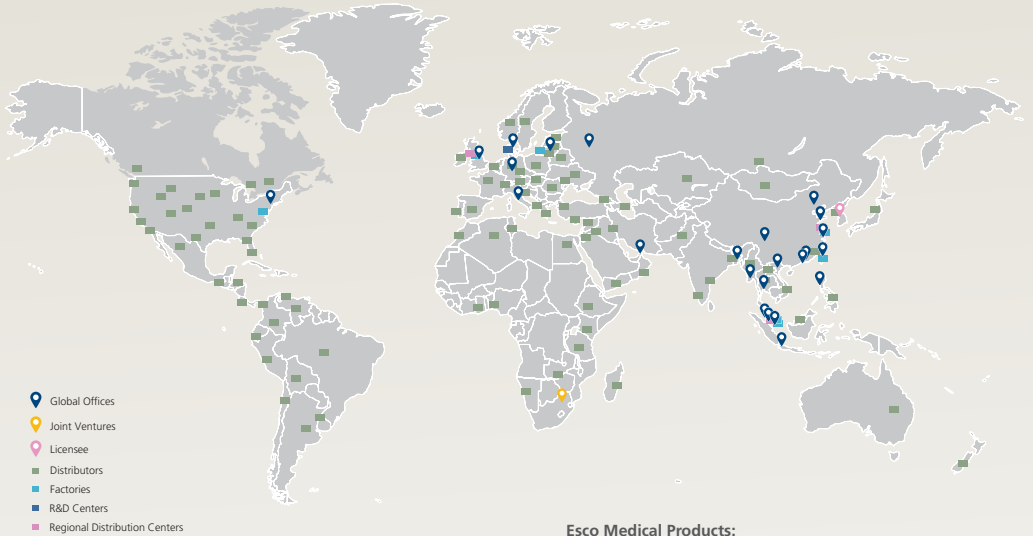
The spectrum of the vertical vibration velocity with the additional mass of 47 kg.
Resonance frequency is 5-5.29 Hz.

Ordering Information

ITEM CODE	MODEL CODE	DESCRIPTION
1320054	AVT-1	Anti-Vibration Table



ESCO GLOBAL NETWORK



Esco Medical Products:

MIRI® TL6 Time-Lapse Incubator
MIRI® TL12 Time-Lapse Incubator
MIRI® Multiroom Incubator
MIRI® II Multiroom Incubator
Mini MIRI® Incubator
Esco Multi-Zone ART Workstation
Esco Multi-Zone ART Workstation Class II
CelCulture® CO₂ Incubator
MIRI® GA (Gas and Temperature Validation Unit)
Anti-Vibration Table (AVT)
Versati™ Tabletop Refrigerated Centrifuge
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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Designed in Denmark



Made in the E.U.

ISOCIDE™

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