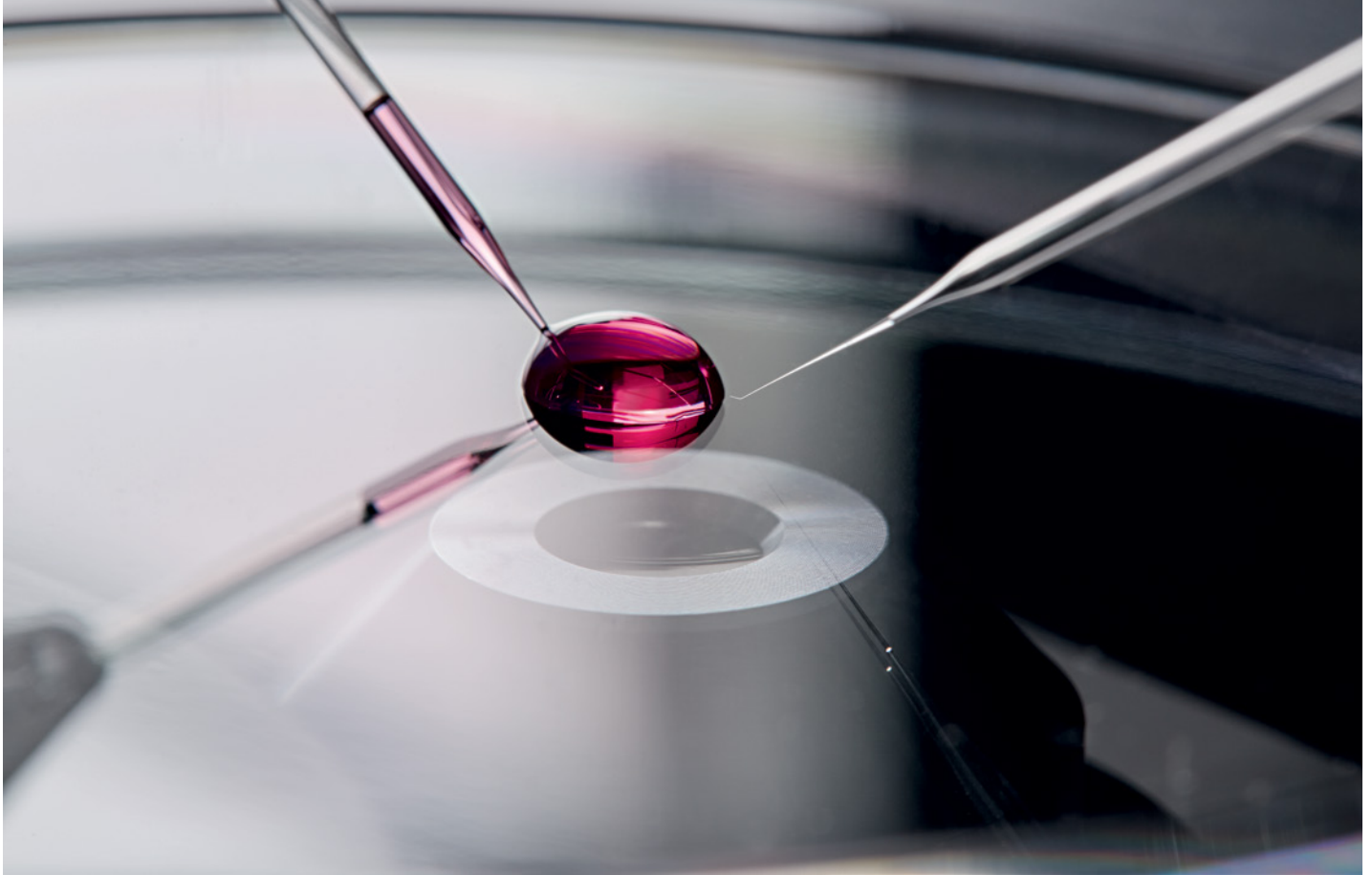


EU-Medical Devices



Smooth Operator

Eppendorf micromanipulator TransferMan® 4m with
unprecedented movement control



Micromanipulation Expertise

Eppendorf has been your partner in IVF for more than twenty years. Despite rapid developments, we have always remained true to our principles of precision, quality and reliability. With the ongoing development of our products, we continue to set new standards to simplify your work.

The new micromanipulator TransferMan® 4m performs with outstanding technical performance and an overall ergonomic concept. The exceptional precision and smoothness of movements in all directions makes the TransferMan 4m the ideal platform for use in ICSI, PGD, IMSI and related techniques.

Product features

- > Unprecedented direct transmission of movement without any recognizable latency
- > Unique DualSpeed™ joystick with direct and dynamic movement control
- > Maximum stability ensures vibration-free work
- > One-hand operation for easy capillary and angle settings
- > Programmable Z-axis limit for preventing capillary breakage

Technical specifications

Control board

Control	TransferMan® 4m
Dimensions (W × H × D)	One joystick for movement control in X-,Y-, Z-dimension
Weight (incl. mains/power supply device)	205 mm × 288 mm × 152 mm
External device/PC	1.8 kg
Working area	Serial interface SubD9, male
Speed control	Coarse, fine, x-fine
	Proportional and dynamic kinetics

Motor module

Max. travelling distance	TransferMan® 4m
Weight (complete)	≥20 mm
Stepper motor	2.15 kg
	X-, Y-, Z-module

The TransferMan® 4m

The user-friendly TransferMan® 4m micromanipulator combines an ergonomic and innovative operation concept that is ideal for IVF applications such as ICSI, PGD, IMSI and related techniques.

Application-specific user profiles simplify the individual workflow process with four predefined application masks to choose from (e.g. for ICSI, cell transfer, etc.). The freely programmable "My application" mask can be optimized for specific individual needs.

The unique DualSpeed™ joystick combines precise and intuitive, direct movement with dynamic movement control for covering longer distances or speeding up sample processing.

Furthermore, the dynamic movement mode can easily be switched off depending on the application need and personal preference.



1 4th gear: Unique DualSpeed™ joystick for precise, instantaneous control and positioning using two adaptable speed modes

2 Ergonomically shaped control panel for fatigue-free work

3 Optimized user interface for various applications simplifies work procedures

4 Simple and quick capillary and sample change using automated home function

5 Selection and programming of additional functions (e.g. storage of up to 5 positions, limit, Y-off)

6 Comfortable, individual speed adjustment

The TransferMan 4m is compatible to microscopes from all major microscope brands.



Technical specifications

Module (X,Y,Z)

Step size (computational resolution)	<20 nm
Speed	0 – 10,000 µm/s
Mechanical adjustability	>80 mm
Dimensions	129 mm x 51 mm x 36 mm
Direction of rotation	-45° – +90°
Capillary exchange	Direction of rotation: forward (swivel out)
Sample replacement	Direction of rotation: backward (swivel in)
Operating angle of angle head	0° – 90°

Ordering Information

Description	Order No.
TransferMan® 4m , micromanipulator with DualSpeed™ joystick for direct and dynamic movement control	5191 000.015
Microscope adapters , for all common microscopes	available upon request
Accessories for TransferMan® 4m	
Positioning aid, pack of 2, for mounting the universal capillary holder on TransferMan® 4m	5192 072.001
Spare parts kit	5192 071.005
Foot control, for Eppendorf micromanipulators	5252 070.020
Antivibration Pad	
Antivibration Pad XS	5181 301.009
Antivibration Pad S	5181 303.001
Antivibration Pad M	5181 305.004
Antivibration Pad L	5181 307.007
Antivibration Pad XL	5181 309.000
Microinjectors	
CellTram® 4m Air , pneumatic, manual microinjector with gear, with capillary holder 4 and injection tube air inner diameter = 0.5mm (white ring mark)	5196 000.021
CellTram® 4m Oil , hydraulic, manual microinjector with gear, with capillary holder 4, injection tube oil inner diameter = 1.0mm (blue ring mark) and filling and cleaning set	5196 000.048

Your local distributor: www.eppendorf.com/contact
 Eppendorf AG · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com/cellmanipulation