Single Cell Micromanipulator Set

Catalog # KA4584 Size 1 Set

Applications

This product should be used in combination with microscope as illustrated.

Setup

A. Coarse Manipulator
B. Three-axis Oil Hydraulic Micromanipulator
C. Pneumatic Microinjector

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Coarse Manipulator

Coarse Manipulator is used in combination with a hydraulic micromanipulator to transfer the pipette into the microscope field of view. Since its operation is manual, this model offers excellent response. Setup and installation are straightforward. Return and rotating mechanisms are included for easy specimen or pipette exchange.

Specification:

Accessory included:
Hex Wrench

Movement range/Coarse:
X30mm, Y30mm, Z30mm

Dimensions/Weight:
W125 × D110 × H135mm, 600g

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Three-axis Oil Hydraulic Micromanipulator

Three-axis Oil Hydraulic Micromanipulator's hydraulic drive system can be remotely controlled, and provides smooth, vibration-free movements. As successor to the vernier type, it features a big cylinder control unit which enables very fine operation. Another key feature is high reproduction of the linear position. Compared with the currently popular joystick method, this control unit has a long record of use among discerning customers because of its simple design and outstanding cost-efficiency. For microinjection systems, this model is recommended for use on the cell holding side, in combination with a joystick type manipulator.

Specification:

Accessories included:
Ball Joint and Pipette Holder

Movement range/Fine:
X10mm, Y10mm, Z10mm, Full rotation of knob 250µm, Minimum graduation 1µm

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Pneumatic Microinjector

Pneumatic Microinjector allows suction and injection of a microsample with high precision and operability comparable to oil hydraulic injectors. Equipped with a coarse-fine coaxial control knob, the microinjector enables both coarse and fine movement operation.

Specification:

Accessories included:
Injection Holder, Cleaning Rod, Tubing, Iron Plate, O-ring , Silicone Grease, Silicone Rubber Gasket , Hex Wrench, Fine Control Knob Cap

Movement range:
Plunger 40mm

Dimensions/Weight:
W167 ~ 214 × D55 × H78mm, 680g
Tube length: 1.2m

*Complies with Class.1 MDD 93/42/EEC

Specification

Product Description	Single Cell Micromanipulator Set contains Coarse Manipulator, Three-axis Oil Hydraulic Micromanipulator and Pneumatic Microinjector for single cell micromanipulation.
Amenable Platform	CytoQuest™ CR positive enrichment cell isolation LiquidCell™ negative enrichment cell isolation
Supplied Products	Set content: Coarse Manipulator Three-axis Oil Hydraulic Micromanipulator Pneumatic Microinjector
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at room temperature.

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Video

Applications

- Single Cell Micromanipulation

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