

NARISHIGE

MMO-220C

One-axis Oil Hydraulic Micromanipulator



Micromanipulator specialized for DNA injection, moving in the same direction as the pipette.

When using this unit to insert a pipette into the cell, operators can make further movement in the same direction, which minimizes the chance of damaging the cell. This one-axis oil hydraulic manipulator meets that requirement and can also be used as an add-on manipulator. 1mm of movement range per knob rotation is useful for the samples with a few hundred of μm to a few mm under the stereomicroscopes. A compact drive unit is installed on the tip of the ball joint, can be used with any three-dimensional manipulators.



- * Holders with 4mm O.D. can be fixed to this model.
- * It is available for both side of the setting (right or left) by the rotation mechanism.

NARISHIGE**MMO-220C****One-axis Oil Hydraulic Micromanipulator****Setting example**

DNA injection set (IM-400 + MMO-220C + M-152 + GJ-1 + IP)

* A compressor or cylinder (air, nitrogen, etc.) + regulator are required to use the IM-400.

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Specification

Movement range	Coarse	10mm Full rotation of knob 1mm Minimum graduation 20μm
Dimensions/Weight	Control unit	W55 × D45 × H80mm, 140g
	Drive unit	W45 × D20 × H35mm, 90g
Hydraulic tube length		0.9m

* MMO-220A (Full rotation of knob 250μm) is also available.

System Diagram



-  refers to the model itself with standard attachments
-  refers to attachable main accessories
-  refers to types of mounting adaptors

Specifications are subject to change without notice.

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