

microinjection

Nanoject II

Auto Nanoliter Injector

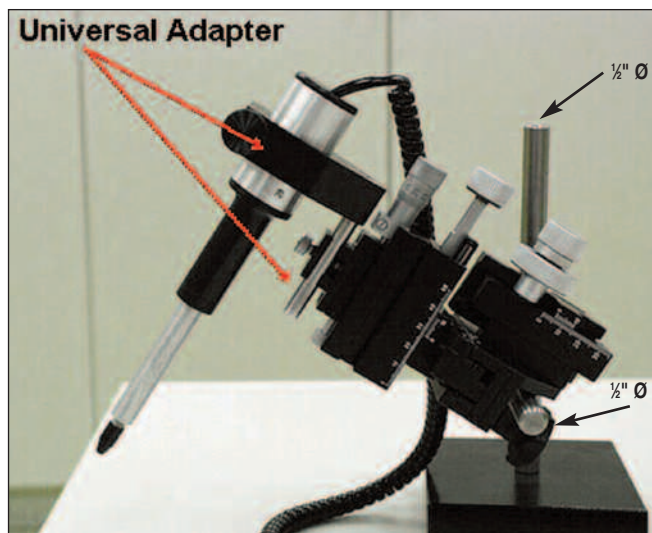


- Lower volume (2.3 nl) capability
- Positive displacement technology
- 2.3 to 69.0 nl range of volumes
- Minimal vibration
- New improved high torque motor
- Membrane key pad
- Improved micropipette holder
- Two speed injection/fill rates
- Auto 'Home' capability

The Nanoject II is the latest development in the Nanoject family of microinjectors. One unique features of the Nanoject II is the use of a high torque motor to provide smooth operation resulting in substantially reduced tip movement. A new collect configuration holds the micropipette more securely thereby reducing air infiltration and oil leakage. The two-speed fill/inject mode allows the user to fill and inject at half speed, facilitating the use of smaller micropipettes. The handling of more viscous samples is also improved. All of the above factors enhance the precise delivery of sample.

Volumes for the Nanoject II range from 2.3 nl to 69 nl. The smaller tips and smaller injection volumes of the Nanoject II allow users to perform injections into other specimens/applications that previously could not be performed.

Positive displacement technology and the use of precision micropipettes, eliminate the need for tedious calibration when the viscosity of the sample changes. Contaminants in the sample do not hinder or change the injection volume as with some other injectors. An optional universal mounting adapter provides easy mounting of the Nanoject II to a variety of micromanipulators and stereotaxic frames.



Needs Micromanipulator to attach to Support Stand

Specifications

Operation	Automatic
Glass Properties	Softening point 780°C
Glass Dimensions	1.14 x 0.053 mm (0.045 x 0.021 in) (OD x ID)
Injection Speed:	Fast: 46 nl/sec; Slow: 23 nl/sec
Fill Speed:	Fast: 46 nl/sec; Slow: 23 nl/sec
Empty Speed	92 nl/sec
Volume Range	2.3 nl to 69.0 nl
Change Volume	Dip switches #1 to #4
Change Inject Speed	Dip switch #5
Weight	99.2 g (3.5 oz)

Order # Product

W3 69-0130	Nanoject II Nanoliter Injector, 115 V, 60 Hz, US Plug
W3 69-0131	Nanoject II Nanoliter Injector, 230 V, 50 Hz, European Plug
W3 69-0132	Nanoject II Nanoliter Injector, 230 V, 50 Hz, UK Plug

Replacement Parts

W3 69-0133	Replacement Glass, 88.9 x 1.14 x 0.053 mm (3.5 x 0.045 x 0.021 in) (L x OD x ID), Vial of 100
W3 69-0134	Replacement Glass, 177.8 x 1.14 x 0.053 mm (7 x 0.045 x 0.021 in) (L x OD x ID), Vial of 100
W3 69-0135	Flared Glass, 90 mm (3.5 in), Vial of 100
W3 69-0136	Standard O-Ring
W3 69-0137	Special Flared O-Ring
W3 69-0138	Replacement Wire Plunger
W3 69-0139	Needle, 30 ga x 51 mm (2 in)

Accessories (Must be ordered separately)

W3 69-0140	Footswitch
W3 69-0141	Support Base
W3 69-0142	Universal Mounting Adapter, see above photo