

# Nanoject II™ Auto-Nanoliter Injector

- Automated microprocessor controlled Microinjection Pipet delivering precise nanoliter volumes accurately
- Remote control and nonrotating plunger eliminates vibration allowing precise injection minimizing possible cell rupture

## Nanoject II offers these exceptional features

- Selectable Injection Volumes: from 2.3 nanoliters to 69.0 nanoliters in 16 increments
- Selectable Operating Speeds:
 

Fill Speed	Fast	46 nL per second
	Slow	23 nL per second
Injection Speed	Fast	46 nL per second
	Slow	23 nL per second
Empty Speed	Fast	230 nL per second
	Slow	92 nL per second
- Supplied with sufficient borosilicate glass capillaries for preparing 400 injection tips, standard softening point 780°C
- Can be mounted on most micromanipulators  
**Note: Universal Adapter 3-000-024-A supplied with unit**
- Separate Foot Switch available to allow hands-free operation (see page 14)

The Drummond Nanoject II Auto-Nanoliter Injector is specifically designed to perform ultra-delicate nanoliter injection procedures into oocytes, embryos, and tissues.

Each Nanoject II Auto-Nanoliter Injector comes complete with 200 borosilicate capillaries that can be pulled to the required tolerance together with a backfilling\* needle and O-ring kit.



Power Supply with Universal Adapters



Cat. No.	Description
3-000-204	Nanoject II Variable Volume (2.3 to 69 nL) Automatic Injector with Glass Capillaries (110V)
3-000-205A	Nanoject II, 100 - 240V, 50/60 Hz, CE, Euro
3-000-206A	Nanoject II, 100 - 240V, 50/60 Hz, CE, UK

**Note: Universal Adapter supplied with all the above units**

## Nanoject II Replacement Parts

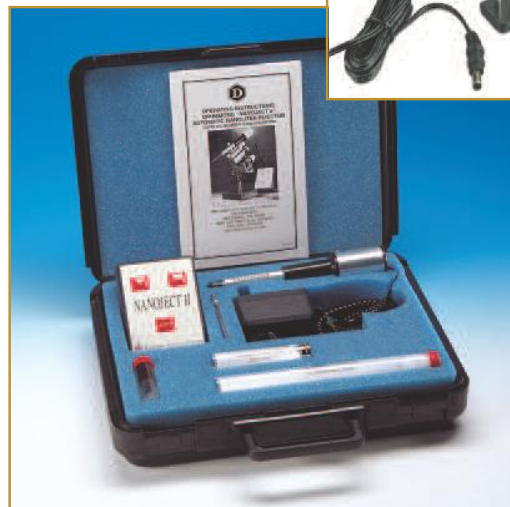
Cat. No.	Description
3-000-002-KN	O-Ring kit for Models 204, 205A, and 206A includes: 1 collet, 1 small O-Ring, 1 spacer, 1 compression O-Ring, and 1 Allen wrench
3-000-027	30 gauge, 2" Backfilling Needle
3-000-000-203-X	Pointed Plunger Wire

## Nanoject II Replacement Glass Capillaries

Cat. No.	O.D. (mm)	Length	I.D. (mm)	Pack
3-000-203-G/X	1.14	3.5"	0.53	100
3-000-203-G/XL	1.14	7"	0.53	100



\*View micropipet backfilling procedure



### Nanoject II Kit (3-000-204) includes:

1. Control box
2. Injector head
3. Power supply (3-000-033), 100 - 240V, 50/60 Hz  
Four interchangeable adapters (US, UK, Euro, Aust.)
4. O-ring kit (3-000-002-KN)
5. 3.5" glass capillaries, 100 pcs. (3-000-203-G/X)
6. 7" glass capillaries 100 pcs. (3-000-203-G/XL)
7. 30 gauge, 2" backfilling blunt needle (3-000-027)
8. Instruction booklet
9. Case

# Nanoject II™ & Nanoject III Accessories

## Nanoject II Accessories

Cat. No.	Description
3-000-024-A	Universal Adapter* *Can be used on stereotaxic equipment using 7.9 mm clamps
3-000-024-L	MM33 Micromanipulator (Left) with 1/2" clamp
3-000-024-R	MM33 Micromanipulator (Right) with 1/2" clamp
3-000-025-SB	Support Base
3-000-026	Foot Switch – Nanoject II only (not shown)
3-000-032	Foot Switch – Nanoject III only (not shown)



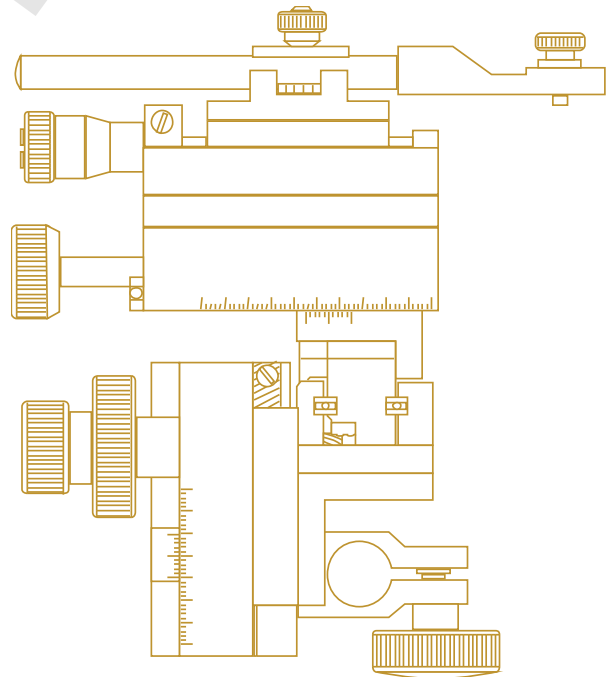
Universal Adapter\*\*  
**3-000-024-A**

\*\*Designed to adapt all Nanojects to most micromanipulators and stereotaxic equipment – supplied with all nanojects



Note:  
Support base is supplied with 1/2" stainless steel rods

**3-000-025-SB**



**3-000-024-L**

Micromanipulator–Left Hand