



FemtoJet® 4i / FemtoJet® 4x

FemtoJet® 4i and 4x are perfectly suited for injecting smallest volumes from fL up to 1 µL and are distinguished by a wide range of functionality, simple operation and electronic coupling to both, TransferMan® 4r and InjectMan® 4, allowing for easy control of the injection process. The FemtoJet® 4i includes a built-in compressor to deliver the required pressure independently as a stand-alone device. Both microinjectors provide the highest precision that allows for reproducible injections.



	FemtoJet® 4i	FemtoJet® 4x
Applications	> Microinjection into suspension or adherent cells > Semi-automatic, serial injection in combination with InjectMan® 4 > Ideal for serial injection volumes from femtoliter up to 100 pL	> Microinjection into <i>C. elegans</i>, early fish embryos, <i>Xenopus</i> oocytes > Semi-automatic, serial injection in combination with InjectMan® 4 > Preferably used for injecting higher volumes (up to 1 µL) and/or longer injection series
Pressure supply	Integrated compressor	External pressure source required
Pressure display	Can be set to hPa or psi	Can be set to hPa or psi
Programmable parameters	Injection time, Injection pressure, compensation pressure	Injection time, Injection pressure, compensation pressure
Injection time	0; 10–99; 99 s; can be set in increments of 0.01 s	0; 10–99; 99 s; can be set in increments of 0.01 s
Injection pressure	0; 5–6,000 hPa (87 psi)	0; 5–6,000 hPa (87 psi)
Compensation pressure	0; 5–6,000 hPa (87 psi)	0; 5–6,000 hPa (87 psi)
Clean function	Maximum rinsing pressure 6,000 hPa (87 psi)	Maximum rinsing pressure 6,000 hPa (87 psi)
Dimensions (W x H x D)	213 mm x 250 mm x 207 mm	213 mm x 250 mm x 207 mm
Weight	5 kg	3.5 kg
Serial interface	RS-232, USB (for service only)	RS-232, USB (for service only)