

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

Parker: Picospritzer III

RRID:SCR_018152

Type: Tool

Proper Citation

Parker: Picospritzer III (RRID:SCR_018152)

Resource Information

URL: <https://ph.parker.com/us/12051/en/picospritzer-iii-intracellular-microinjection-dispense-systems-picospritzer-micro-dispense-system>

Proper Citation: Parker: Picospritzer III (RRID:SCR_018152)

Description: Intracellular microinjection dispense system by Parker Hannifin. Supplies repeatable pressure pulses. Designed for rapid and reproducible ejections of picoliter and nanoliter volumes used in conjunction with intracellular or extracellular studies while avoiding inherent desensitization of nerve cells which accompanies iontophoretic methodology. System comes complete with high speed valves and necessary tubing assemblies.

Synonyms: Picospritzer III - Intracellular Microinjection Dispense Systems

Resource Type: instrument resource

Keywords: Intracellular microinjection, dispense system, Parker Hannifin, pressure pulse, ejection picoliter volume, nanoliter volume, desensitization of nerve cell, instrument, equipment

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018152.pdf

Resource Name: Parker: Picospritzer III

Resource ID: SCR_018152

Alternate URLs: <https://www.parker.com/content/dam/Parker-com/Literature/Literature-Files/pneutronics/Catalogs/Picospritzer.pdf>

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260905T132831+0000

Ratings and Alerts

No rating or validation information has been found for Parker: Picospritzer III.

No alerts have been found for Parker: Picospritzer III.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Yaeger CE, et al. (2024) A dendritic mechanism for balancing synaptic flexibility and stability. Cell reports, 43(8), 114638.

Chen YC, et al. (2023) Extracellular ATP Neurotransmission and Nicotine Sex-Specifically Modulate Habenular Neuronal Activity in Adolescence. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(48), 8259.

Serra GP, et al. (2023) A role for the subthalamic nucleus in aversive learning. Cell reports, 42(11), 113328.

Kiffmeyer EA, et al. (2022) Deficits in cerebellum-dependent learning and cerebellar morphology in male and female BTBR autism model mice. NeuroSci, 3(4), 624.

Augustinaite S, et al. (2021) Intrinsic optical signal imaging and targeted injections through a chronic cranial window of a head-fixed mouse. STAR protocols, 2(3), 100779.