



Micro-Volume, Positive Displacement Syringes

- Sample is contained in the needle with full plunger displacement, ensuring no dead volume.
- High precision and accuracy down to 0.1 µL.
- Seal between the plunger and the needle can be tightened for high-pressure injection.
- Replaceable needle/plunger kits and barrels (available on request).

Hamilton

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton		qty.	Restek cat.#
					Model	cat.#		
0.5 µL	KH	25	2.75"/70 mm	2	7000.5	86259	ea.	24545
0.5 µL	KH	25	2.75"/70 mm	3	7000.5	86250	ea.	24546
1.0 µL	KH	22s	2.75"/70 mm	2	7101	86211	ea.	24549
1.0 µL	KH	25s	2.75"/70 mm	2	7001	80135	ea.	24547
1.0 µL	KH	25s	2.75"/70 mm	3	7001	80100	ea.	24548
2.0 µL	KH	25	2.75"/70 mm	2	7002	88411	ea.	24551
5.0 µL	KH	24	2.75"/70 mm	2	7105	88011	ea.	24555
5.0 µL	KH	24	2.75"/70 mm	3	7105	88000	ea.	24556

SGE

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE		qty.	Restek cat.#
					Model	cat.#		
0.5 µL	R	23	70 mm	2	0.5BR-7BV	000311	ea.	24771
0.5 µL	R	23	70 mm	Cone	0.5BR-7	000310	ea.	24772
0.5 µL	R	26	70 mm	Cone	0.5BR-OC-7/0.47*	000376	ea.	24770
1.0 µL	R	23	70 mm	2	1BR-7BV	000506	ea.	24775
1.0 µL	R	23	70 mm	Cone	1BR-7	000505	ea.	24774
1.0 µL	R	23	50 mm	Cone	1BR-5	000500	ea.	24773
1.0 µL	R	26	70 mm	Cone	1BR-7/0.47*	000570	ea.	24776
5.0 µL	R	23	70 mm	2	5BR-7BV	000803	ea.	24779
5.0 µL	R	23	70 mm	Cone	5BR-7	000802	ea.	24778
5.0 µL	R	23	50 mm	Cone	5BR-5	000800	ea.	24777

*70 mm needle length, 0.47 mm OD, on-column syringe.

Guide to Needle Termination Codes

Hamilton:

(N) Cemented Needle
(RN) Removable Needle
(ASN) Autosampler Cemented Needle
(ASRN) Autosampler Removable Needle
(TLL) PTFE Luer Lock
(KH) Knurled Hub
(LT) Luer Tip
(LTN) Luer Tip Cemented Needle

SGE:

(F) Fixed Needle
(R) Removable Needle
(LL) Luer Lock
(LT) Luer Tip

Replacement Plunger-in-Needle Kits

- Kits are supplied with both a plunger and a needle.
- Plunger and needle must be replaced together.

SGE

Volume	Needle Gauge	Needle Length	Point Style	SGE		For Syringe cat.#	qty.	Restek cat.#
				Model	cat.#			
0.5 µL	23	70 mm	2	NP0.5B-7BV	033060	24771	kit	24831
0.5 µL	23	70 mm	Cone	NP0.5B-7C	033057	24772	kit	24830
1.0 µL	23	70 mm	2	NP1B-7BV	034060	24775	kit	24835
1.0 µL	23	70 mm	Cone	NP1B-7C	034057	24774	kit	24834
1.0 µL	23	50 mm	Cone	NP1B-5C	034055	24773	kit	24833
5.0 µL	23	70 mm	2	NP5B-7BV	035058	24779	kit	24839
5.0 µL	23	70 mm	Cone	NP5B-7C	035057	24778	kit	24838