

Micro-Volume Syringes



Sabah Dabby
Chief Innovations Officer
6+ years of service!

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 0.1µL.
- Seal between the plunger and the needle can be tightened for high-pressure injection.
- Replaceable needle/plunger kits and barrels (available on request).



Hamilton 7001 Series Micro-Volume Syringe

Hamilton Syringes

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



SGE Micro-Volume Plunger-in-Needle Syringe

SGE Syringes

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

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

tech tip

Reinserting Teflon®-tipped Plungers

After disassembling and cleaning a syringe with a Teflon®-tipped plunger, wet the Teflon® plunger tip prior to reinserting it into the barrel. Always avoid touching the plunger—any abrasions, scratches or oil from fingers could interfere with proper plunger operation.

SGE Replacement Plunger-in-Needle Kits

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

Volume	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	For Syringe		Restek cat.#
						cat.#	qty.	
0.5µL	23	70mm	2	NP0.5B-7BV	033060	24771	kit	24831
0.5µL	23	70mm	Cone	NP0.5B-7C	033057	24772	kit	24830
0.5µL	26	70mm	Cone	NP0.5B-OC-7	033630	24770	kit	24832
1.0µL	23	70mm	2	NP1B-7BV	034060	24775	kit	24835
1.0µL	23	70mm	Cone	NP1B-7C	034057	24774	kit	24834
1.0µL	23	50mm	Cone	NP1B-5C	034055	24773	kit	24833
1.0µL	26	70mm	Cone	NP1B-OC-7/0.47	034610	24776	kit	24836
5.0µL	23	70mm	2	NP5B-7BV	035058	24779	kit	24839
5.0µL	23	70mm	Cone	NP5B-7C	035057	24778	kit	24838
5.0µL	23	50mm	Cone	NP5B-5C	035055	24777	kit	24837