



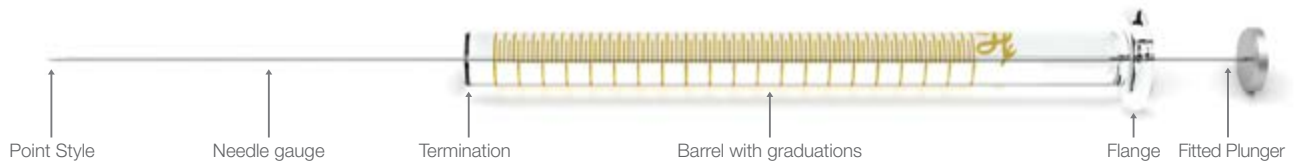
Microliter Syringes

Microliter syringes are for use with liquids only. They incorporate hand-fitted stainless steel plungers with precision bored syringe barrels. The hand fitting process enables the tightest possible seal with a plunger movement that is virtually frictionless. The result is a syringe with minimal plunger wear and an almost unlimited useful life when maintained properly.

These syringes are ideal for homogeneous samples that are not prone to precipitation or bonding with glass. However, when using

heterogeneous solutions, the user must be diligent about cleaning the syringe after each use. Refer to page 77 for care and use recommendations.

In some cases, even diligent cleaning is not sufficient and the barrel will become soiled. The deposits on the glass will compromise the tight tolerance between the glass and the plunger resulting in a frozen plunger. Plungers for Microliter syringes cannot be interchanged or replaced if damaged. For heterogeneous solutions, a Gastight syringe is the best option.



600 Series Syringes

2.5 μL to 5 μL



P. 17

700 Series Syringes

5 μL to 500 μL



P. 17

800 Series Syringes

5 μL to 250 μL



P. 18

7000 Series Syringes

0.5 μL to 5 μL



P. 19



600 Series Syringes

The 600 series syringes are a rugged, durable, and long lasting half stroke version of Hamilton's original 700 series syringes. They have a reinforced plunger which prevents plunger bending. Each plunger is individually fitted to the glass barrel and cannot be interchanged between syringes. This series of syringes is ideal for dispensing volumes from 0.25 μ L up to 5 μ L. Because of the shorter stroke length, the 600 series syringes can be used for one-handed applications.

Removable Needle Syringes



P/N	Volume	Gauge	Length	Point
87942	2.5 μ L	22s ga	51 mm	3
7632-01	2.5 μ L	NDL Sold Separately (Small RN)		
87943	5 μ L	22s ga	51 mm	3
7633-01	5 μ L	NDL Sold Separately (Small RN)		



700 Series Syringes

The 700 series syringe is the original hand-fitted Hamilton syringe. The stainless steel plunger is manufactured to fit the glass barrel with a tolerance less than three thousandths of a millimeter, resulting in unsurpassed syringe life. This series of syringes is ideal for dispensing volumes from 0.5 μ L up to 500 μ L. A variety of different terminations and needle options are available.

Cemented Needle Syringes



P/N	Volume	Gauge	Length	Point	Digital
87900	5 μ L	26s ga	51 mm	2	Y
87919	5 μ L	26s ga	51 mm	3	N
87908	5 μ L	33 – 18 ga	10 – 304 mm	2, 3, 4, 5, AS	N
80300	10 μ L	26s ga	51 mm	2	Y
80339	10 μ L	26s ga	51 mm	5	N
80350	10 μ L	26s ga	70 mm	2	N
80365	10 μ L	22s ga	51 mm	3	Y
80366	10 μ L – 6 pk	26s ga	51 mm	2	N
80383	10 μ L	26s ga	51 mm	3	Y
80384	10 μ L	26s ga	76 mm	2	N
80308	10 μ L	33 – 18 ga	10 – 304 mm	2,3,4,5, AS	N
80400	25 μ L	22s ga	51 mm	2	Y
80439	25 μ L	22s ga	51 mm	5	N
80465	25 μ L	22s ga	51 mm	3	Y
80408	25 μ L	33 – 18 ga	10 – 304 mm	2,3,4,5, AS	N
80500	50 μ L	22s ga	51 mm	2	Y
80521	50 μ L	22 ga	51 mm	3	N
80539	50 μ L	22s ga	51 mm	5	N
80565	50 μ L	22s ga	51 mm	3	Y
80508	50 μ L	33 – 18 ga	10 – 304 mm	2,3,4,5, AS	N



Point Styles





700 Series Syringes (Cont.)

Cemented Needle Syringes (Cont.)

P/N	Volume	Gauge	Length	Point	Digital
80600	100 µL	22s ga	51 mm	2	Y
80621	100 µL	22 ga	51 mm	3	N
80639	100 µL	22s ga	51 mm	5	N
80665	100 µL	22s ga	51 mm	3	Y
80608	100 µL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS	N
80700	250 µL	22s ga	51 mm	2	Y
80739	250 µL	22 ga	51 mm	5	N
80765	250 µL	22 ga	51 mm	3	Y
80708	250 µL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS	N
80800	500 µL	22 ga	51 mm	2	Y
80839	500 µL	22 ga	51 mm	5	N
80865	500 µL	22 ga	51 mm	3	Y
80808	500 µL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS	N

Luer Tip Syringes



P/N	Volume	Needle Hub	Digital
80301	10 µL	Kel-F Hub	N
80401	25 µL	Kel-F Hub	N
80501	50 µL	Kel-F Hub	N
80601	100 µL	Kel-F Hub	N
80701	250 µL	Kel-F Hub	N
80801	500 µL	Kel-F Hub	N

Removable Needle Syringes



P/N	Volume	Gauge	Length	Point	Digital
87930	5 µL	26s ga	51 mm	2	Y
87931	5 µL	32 ga	51 mm	3	N
7634-01	5 µL	NDL Sold Separately (Small RN)			N
80330	10 µL	26s ga	51 mm	2	Y
80336	10 µL – 6 pk	26s ga	51 mm	2	N
80314	10 µL	32 ga	51 mm	3	N
7635-01	10 µL	NDL Sold Separately (Small RN)			N
80430	25 µL	22s ga	51 mm	2	Y
7636-01	25 µL	NDL Sold Separately (Small RN)			N
80530	50 µL	22s ga	51 mm	2	Y
7637-01	50 µL	NDL Sold Separately (Small RN)			N
80630	100 µL	22s ga	51 mm	2	Y
7638-01	100 µL	NDL Sold Separately (Small RN)			N
80730	250 µL	22s ga	51 mm	2	Y
7639-01	250 µL	NDL Sold Separately (Large RN)			N
80830	500 µL	22 ga	51 mm	2	Y
7640-01	500 µL	NDL Sold Separately (Large RN)			N

800 Series Syringes

The 800 series syringes are the reinforced plunger version of the 700 series syringes. Attached to the flange of the syringe is a blue syringe holder. The syringe holder provides an area to hold the syringe that prevents heat transfer, dispense inaccuracies, and plunger blow outs. Additionally, it provides support

to small volume plungers that are prone to bending during injection. This series of syringes is ideal for dispensing volumes from 0.5 µL up to 250 µL.



800 Series Syringes (Cont.)

Cemented Needle Syringes



P/N	Volume	Gauge	Length	Point
84850	5 µL	26s ga	51 mm	2
84852	10 µL	26s ga	51 mm	2
84854	25 µL	22s ga	51 mm	2
84856	50 µL	22s ga	51 mm	2
84858	100 µL	22s ga	51 mm	2

Removable Needle Syringes



P/N	Volume	Gauge	Length	Point
84851	5 µL	26s ga	51 mm	2
7641-01	5 µL	NDL Sold Separately (Small RN)		
84853	10 µL	26s ga	51 mm	2
7642-01	10 µL	NDL Sold Separately (Small RN)		
84855	25 µL	22s ga	51 mm	2
7643-01	25 µL	NDL Sold Separately (Small RN)		
84857	50 µL	22s ga	51 mm	2
7644-01	50 µL	NDL Sold Separately (Small RN)		
84859	100 µL	22s ga	51 mm	2
7645-01	100 µL	NDL Sold Separately (Small RN)		
84861	250 µL	22s ga	51 mm	2
7646-01	250 µL	NDL Sold Separately (Large RN)		

7000 Series Syringes

The 7000 series syringes are modified Microliter syringes with a plunger-in-needle design. The 7000 series is the only zero dead volume syringe available. The fine gauge tungsten plunger wire extends to the tip of the needle, ensuring that all solvent is expelled dispensing volumes from 0.05 µL up to 5 µL.



Knurled Hub Syringes



P/N	Volume	Gauge	Length	Point	Digital
86259	0.5 µL	25 ga	70 mm	2	Y
86250	0.5 µL	25 ga	70 mm	3	Y
86257	0.5 µL	32 ga	100 mm	3	N
80135	1 µL	25 ga	70 mm	2	Y
86211	1 µL	22 ga	70 mm	2	Y
80100	1 µL	25 ga	70 mm	3	Y
86200	1 µL	22 ga	70 mm	3	Y
80108	1 µL	25 ga	48 – 127 mm	2, 3, or 4	N
88411	2 µL	25 ga	70 mm	2	Y
88511	2 µL	23 ga	70 mm	2	Y
88400	2 µL	25 ga	70 mm	3	Y
88500	2 µL	23 ga	70 mm	3	Y
88011	5 µL	24 ga	70 mm	2	Y
88000	5 µL	24 ga	70 mm	3	Y

