

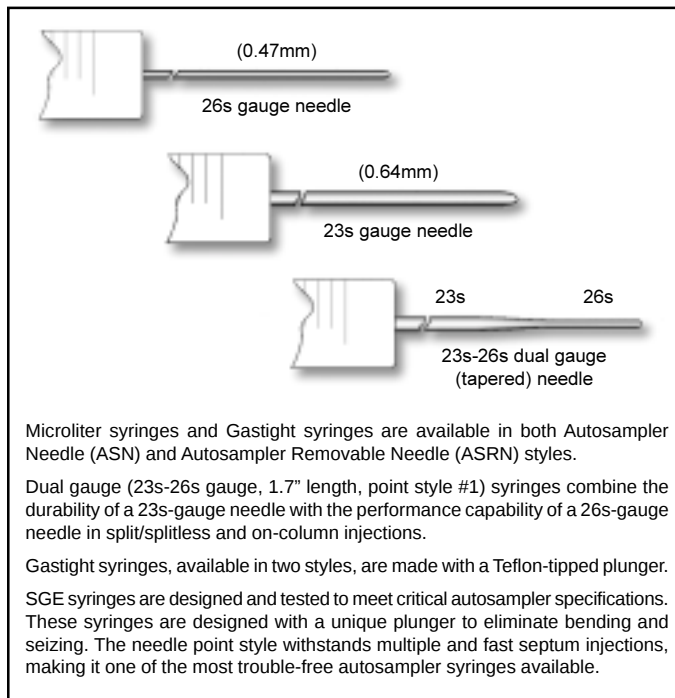
ProductInformation

Autosampler Syringes for Agilent Technologies, CTC/Leap, Shimadzu and Varian Autosamplers

Hamilton Syringes for Agilent/HP 7673 and 7683 Autosamplers

Hamilton autosampler syringes are available in three different needle gauge styles to suit your particular application. The needles are constructed of narrow-bore stainless steel to minimize liquid dead volume, and have a special conical point that reduces the pressure needed to penetrate the autosampler septum.

- **23s gauge needles** – for standard injections.
 - Merlin Microseal Septum
 - Packed Column Injection Ports
 - Split/Splitless Injection Ports
- **26s gauge needles** – for on-column and split/splitless injections.
- **23s-26s dual gauge needles** – allow you to perform all your applications without the need to change syringes.
 - Durability of a 23s-gauge needle
 - Ability of a 26s-gauge needle to perform split/splitless and on-column injections



Hamilton Microliter Syringes

Glass barrel with fitted stainless steel plunger.

NEEDLE SPECIFICATIONS							REPLACEMENT NEEDLES	
CAPACITY	MODEL	GAUGE	LENGTH	PT.	AGILENT EQUIV.	CAT. NO.	QTY.	CAT. NO.
FIXED NEEDLE SYRINGES								
5µL	75 ASN	23s	43mm	#1	9301-0892	21311	—	—
5µL	75 ASN, 6 pk.	23s	43mm	#1	5182-0875	21315	—	—
5µL	75 ASN	26s	43mm	#1	5183-4728	21310-U	—	—
5µL	75 ASN, 6 pk.	26s	43mm	#1	5183-4728	21314	—	—
5µL	75 ASN	23s-26s	43mm	#1	5181-1273	24570-U	—	—
5µL	75 ASN, 6 pk.	23s-26s	43mm	#1	5181-8810	24571	—	—
5µL	75 ASN	23s	43mm	#2	—	26714	—	—
5µL	75 ASN	26s	43mm	#2	—	26721	—	—
10µL	701 ASN	23s	43mm	#2	—	26715	—	—
10µL	701 ASN	26s	43mm	#2	—	26722	—	—
10µL	701 ASN	23s	43mm	#1	9301-0713	21313	—	—
10µL	701 ASN, 6 pk.	23s	43mm	#1	9301-0725	21317	—	—
10µL	701 ASN	26s	43mm	#1	9301-0714	21312	—	—
10µL	701 ASN, 6 pk.	26s	43mm	#1	5183-4729	21316	—	—
10µL	701 ASN	23s-26s	43mm	#1	5181-1267	24573	—	—
10µL	701 ASN, 6 pk.	23s-26s	43mm	#1	5181-3360	24574	—	—
REMOVABLE NEEDLE SYRINGES								
5µL	75 ASRN	23s	43mm	#1	5182-0834	21321	3	21327-U
5µL	75 ASRN	26s	43mm	#1	—	21320-U	3	21326
5µL	75 ASRN	23s-26s	43mm	#1	5182-0835	24572	3	24582
10µL	701 ASRN	23s	43mm	#1	5181-8806	21323-U	3	21327-U
10µL	701 ASRN	26s	43mm	#1	—	21322-U	3	21326
10µL	701 ASRN	23s-26s	43mm	#1	5181-3321	24575	3	24582

We are committed to the success of our Customers, Employees and Shareholders through leadership in Life Science, High Technology and Service.

Hamilton Modified Microliter Syringes

Sample is contained in the needle.

CAPACITY	MODEL	NEEDLE SPECIFICATIONS				CAT. NO.	REPLACEMENT NEEDLES	
		GAUGE	LENGTH	PT.	AGILENT EQUIV.		QTY.	CAT. NO.
KNURLED HUB SYRINGES WITH REMOVABLE NEEDLE								
0.5µL	7000.5 ASRN	23s	43mm	#1	—	26214	—	—
0.5µL	7000.5 ASRN	26s	43mm	#1	—	26215	—	—
1µL	7001 ASRN	23s	43mm	#1	—	26216	—	—
1µL	7001 ASRN	26s	43mm	#1	—	26217	—	—

Specifications for Syringe Needles

Description of Point Styles

Point Style

#1 – Cone Tip



Recommended for use with pre-drilled septa. The shape of this needle has been developed for multi-injections on the HP 7673A autosampler.

#2 – Bevel Tip



The bevel tip (20° on SGE syringes) is designed for optimum septum penetration and to prevent septum coring.

#3 – 90° Blunt Tip



The 90° blunt tip has chamfered and polished edges that eliminate damage to the valve's rotor seal and stator face. This style also can be used for pipetting of liquids.

Hamilton Syringes for Agilent/HP 7670, 7671, and 7672 Autosamplers

CAPACITY	MODEL	NEEDLE SPECIFICATIONS				REPLACEMENT NEEDLES	
		GAUGE	LENGTH	PT.	CAT. NO.	QTY.	CAT. NO.
MICROLITER SYRINGE							
10µL	701N	26s	43mm	#2	20734	—	—
10µL	701N, 6 pk.	26s	43mm	#2	20779	—	—
10µL	701RN-HP	26s	43mm	#2	21357	3	20760-U
1µL	700 1KH	25s	70mm	#2	20750	—	—
GASTIGHT SYRINGE (WITH TEFLON-TIPPED PLUNGER)							
10µL	1701 N	26s	43mm	#2	20972	—	—
10uL	1701 RN-HP	26s	43mm	#2	26727	3	20760-U



9100205

700 Series Six Packs

The most popular syringes are available in convenient multi-unit packages, at considerable cost-savings. Accurate to ±1%. Temperature limit: 50° C for cemented needles, 115° C for removable needle.

10µL capacity, 26s gauge, 50mm length, point style #2, in packs of 6.

MODEL	CAT. NO.
701N	20779
701RN	20793

Hamilton Gastight Syringes

Glass barrel with a Teflon-tipped plunger seal.

CAPACITY	MODEL	NEEDLE SPECIFICATIONS				CAT. NO.	REPLACEMENT NEEDLES	
		GAUGE	LENGTH	PT.	AGILENT EQUIV.		QTY.	CAT. NO.
FIXED NEEDLE SYRINGES								
5µL	175 ASN	23s	43mm	#1	—	26716	—	—
5µL	175 ASN, 6 pk.	23s	43mm	#1	—	26700-U	—	—
5µL	175 ASN, 6 pk.	23s-26s	43mm	#1	—	24577	—	—
10µL	1701 ASN	23s	43mm	#1	5181-8809	26719	—	—
10µL	1701 ASN, 6 pk.	23s	43mm	#1	—	26701	—	—
10µL	1701 ASN	23s-26s	43mm	#1	5181-3354	24579	—	—
10µL	1701 ASN, 6 pk.	23s-26s	43mm	#1	5181-3361	24580	—	—
REMOVABLE NEEDLE SYRINGES								
5µL	175 ASRN	23s	43mm	#1	—	26718	3	21327-U
5µL	175 ASRN	23s-26s	43mm	#1	—	24578	3	24582
10µL	1701 ASRN	23s	43mm	#1	5181-8813	21325-U	3	21327-U
10µL	1701 ASRN	26s	43mm	#1	—	21324	3	21326
10µL	1701 ASRN	23s-26s	43mm	#1	5181-3356	24581	3	24582



SGE Syringes for Agilent/HP 7673 and 7683 Autosamplers

SGE syringes are designed and tested to meet critical autosampler specifications. These syringes are designed with a unique plunger to eliminate bending and seizing. The needle point style withstands multiple and fast septum injections, making it one of the most trouble-free autosampler syringes available.

CAPACITY	MODEL	NEEDLE SPECIFICATIONS				CAT. NO.	REPLACEMENT NEEDLES	
		GAUGE	LENGTH	PT.	QTY.		CAT. NO.	
STANDARD SYRINGE, FIXED NEEDLE								
5µL	5F-HP-0.47, 6 pack	26	42mm	#1	21910	—	—	
5µL	5F-HP-0.63	23	42mm	#1	21542	—	—	
5µL	SK-5F-HP-0.63, 6 pack	23	42mm	#1	21911	—	—	
5µL	5F-HP-0.63/0.47, 6 pack	23s-26s	42mm	#1	26887-U	—	—	
10µL	10F-HP-0.47	26	42mm	#1	21541	—	—	
10µL	SK-10F-HP-0.47, 6 pack	26	42mm	#1	21912	—	—	
10µL	10F-HP-0.63	23	42mm	#1	21543	—	—	
10µL	SK-10F-HP-0.63, 6 pack	23	42mm	#1	21544	—	—	
10µL	10F-HP-0.63/0.47, 6 pack	23s-26s	42mm	#1	26889-U	—	—	
STANDARD SYRINGE, REMOVABLE NEEDLE								
0.5µL	0.5BR-HP-0.47	26	42mm	#1	24402	1	24426	
0.5µL	0.5BR-HP-0.63	23	42mm	#1	24403	1	24427	
10µL	10R-HP-0.47	26	42mm	#1	24417	2	24440-U	
10µL	10R-HP-0.63	23	42mm	#1	24416	2	24439	
25µL	25R-HP-0.63	23	42mm	#1	509701	2	509728	
GAS TIGHT SYRINGE, FIXED TAPERED NEEDLE								
10µL	10R-HP-GT-0.47	26	42mm	#1	509671	—	—	
10µL	10F-HP-GT-0.63/0.47	23s-26s	42mm	#1	26890-U	—	—	
10µL	10F-HP-GT-0.63/0.47, 6 pack	23s-26s	42mm	#1	26891-U	—	—	
25µL	25F-HP-GT-0.63/0.47	23s-26s	42mm	#1	26892-U	—	—	
50µL	50F-HP-GT-0.63/0.47	23s-26s	42mm	#1	26893-U	—	—	
100µL	100F-HP-GT-0.63/0.47	23s-26s	42mm	#1	26894-U	—	—	
SUPERFLEX SYRINGE, FIXED NEEDLE								
10µL	10FX-HP-0.47	26	42mm	#1	23957-U	—	—	
10µL	10FX-HP-0.63	23	42mm	#1	23956	—	—	
10µL	SK-10FX-HP-0.47, 6 pack	26	42mm	#1	23971	—	—	
10µL	SK-10FX-HP-0.63, 6 pack	23	42mm	#1	23972	—	—	
SUPERFLEX SYRINGE, REMOVABLE NEEDLE								
5µL	5RX-HP-0.47	26	42mm	#1	23963	2	23977	
5µL	5RX-HP-0.63	23	42mm	#1	23962	—	—	
10µL	10RX-HP-0.47	23	42mm	#1	23959	2	24440-U	
10µL	10RX-HP-0.63	26	42mm	#1	23958	2	24439	

Hamilton Syringes for CTC/Leap Technologies Autosamplers

CAPACITY	MODEL	GAUGE	LENGTH	PT.	CAT. NO.	CAPACITY	MODEL	GAUGE	LENGTH	PT.	CAT. NO.
GC SAMPLING: A200S, PAL INSTRUMENTS						HPLC SAMPLING: HTS PAL INSTRUMENTS					
Modified Microliter						Microliter Syringe, Fixed Needle					
1.2µL	7701.2	26p	51mm	#1	28617-U	10µL	701N	22s	51mm	#3	28618-U
Microliter Syringe, Fixed Needle						Gastight Syringe					
5µL	75N	26s	51mm	#1	28613-U	10µL	1701N	22s	51mm	#3	28632-U
10µL	701N	26s	51mm	#2	28614-U	25µL	1702N	22s	51mm	#3	28633-U
10µL	701N	26s	51mm	#1	28615-U	100µL	1710N	22s	51mm	#3	28634-U
Gastight Syringe, Fixed Needle						100µL	1710N	22	51mm	#3	28635-U
25µL	1702N	26s	51mm	#1	28649-U	250µL	1725N	22	51mm	#3	28636-U
100µL	1710N	26s	51mm	#1	28651-U	1mL	1001LTN	22	56mm	#3	28637-U
250µL	1725N	26s	51mm	#1	28652-U	2.5mL	1002LTN	22	56mm	#3	28638-U
500µL	1750N	26s	51mm	#1	28653-U	5mL	1005LTN	22	56mm	#3	28639-U
GC HEADSPACE SAMPLING: COMBI PAL						Replacement Plungers					
Gastight Syringe						MODEL	DESCRIPTION	CAT. NO.			
1mL	1000LTN	23	56mm	#5	28621-U	1701CTC	for 10µL CTC Syringe	28641-U			
1mL	1001LTN	26	56mm	#5	28622-U	1702CTC	for 25µL CTC Syringe	28642-U			
2.5mL	1002LTN	23	56mm	#5	28626-U	1710CTC	for 100µL CTC Syringe	28643-U			
2.5mL	1002LTN	26	56mm	#5	28627-U	1725CTC	for 250µL CTC Syringe	28644-U			
5mL	1005LTN	23	56mm	#5	28628-U	1750CTC	for 500µL CTC Syringe	28645-U			
5mL	1005LTN	26	56mm	#5	28629-U	1001CTC	for 1mL CTC Syringe	28646-U			
						1002CTC	for 2.5mL CTC Syringe	28647-U			
						1005CTC	for 5mL CTC Syringe	28648-U			

SGE Syringes for Other Autosamplers

CAPACITY MODEL		NEEDLE SPECIFICATIONS				REPLACEMENT NEEDLES	
		GAUGE	LENGTH	PT.	CAT. NO.	QTY.	CAT. NO.
SYRINGES FOR GENERAL USE							
SuperfleX Syringe, fixed needle							
10µL	10FX, 6 pack	26	50mm	#2	23966	—	—
SYRINGE FOR PHILLIPS/UNICAM S8 AND 4700 GC AUTOSYSTEM							
1µL	1BR-7	23	70mm	#1	24408	1	24432
SYRINGES FOR SHIMADZU AOC14, AOC17 AND AOC20 GC AUTOSAMPLERS							
10µL	10R-S-0.63	23			24419	2	24442
SYRINGE FOR VARIAN 8035, 8100, AND 8200 GC AUTOSAMPLERS							
10µL	10R-VA8X-11	25	53mm	#5	24421	See needles below	
REPLACEMENT NEEDLES AND PLUNGERS							
For 10R-VA8X, 8035: Beveled tip, 25 gauge, 53mm length, point #2						2	24444
For 10R-VA8X, 8035: On-column, domed tip, 105mm length, 0.17mm OD						2	24446
For 10R-VA8X, 8100, 8200: Side hole, 25 gauge, 53mm length, point #5						1	24445
Spare plungers for Varian 10µL Syringes						1	21924

TRADEMARKS:

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