



# LC AND LC/MS

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The Measure of Confidence

Agilent Technologies

# Autosampler Supplies

Your Agilent autosampler is designed to deliver accurate measurements, precise injection volumes, and high-quality data. And by following a regular schedule of preventive maintenance, you can ensure a lifetime of defensible results.



## Autosampler Maintenance Schedule

Procedure	When to Perform	Time Required
Exchanging the needle assembly	When needle shows indication of damage or blockage	15 minutes
Exchanging the seat assembly	When the seat shows indication of damage or blockage	10 minutes
Exchanging the metering seal	When autosampler reproducibility indicates seal wear	30 minutes

## Injection Valves

Valve	Use With	Part No.	RheBuild Kit	Rotor Seal Material	Rotor Seal	Stator	Stator Face
2 position/6 port injection valve, 400 bar	G1313A, G1329A, G1367A/B, 1120	0101-0921	0101-1257	Vespel	0100-1853	0100-1850	0100-1851
				Tefzel	0100-1849		
				PEEK	0100-2231		
2 position/6 port micro injection valve, 400 bar	G1377A, G1389A	0101-1050		Vespel	0100-2088	0100-2089	
2 position/6 port injection valve, 600 bar	G1329B, G1367C SL, G1367D SL Plus, G1367E, 1220 Infinity LC	0101-1422		PEEK	0101-1416	0101-1417	
10 port, dual loop valve, 400 bar	G2258A	0101-1385		Vespel	0101-2415	0101-1390	
2 position/6 port MBB injection valve, 400 bar	G2260A	0101-1267	0101-1268	PEEK	0101-1268*	0100-2195	
2 position/6 port ultra high pressure valve, 1200 bar	G4226A	5067-4114		Vespel	5068-0007	5068-0006	

\*Includes seal and stator face



Injection Valve Assembly, 0101-0921



Stator for 2 position/6 port injection valve, 600 bar, 0101-1417



Stator for 2 position/6 port ultra high pressure valve, 1200 bar, 5068-0006

## Needles and Needle Seats



The needle should be replaced when it becomes bent, burred or blunt, or when it is leaking or plugged. You should suspect a leak if you notice a trail of buffer crystals on the needle seat. The needle seat can become blocked if the sample contains particulates, as this is the first restriction that the sample experiences. If this occurs, try backflushing the needle seat capillary.

### Needles and Needle Seats

Agilent Autosampler	Needle Assembly Description	Part No.	Compatible with Needle Seat	Part No.
G1313A, G1329A/B, 1120, 1220 Infinity LC (automated sampler only)	Needle assembly, standard autosampler	G1313-87201	Standard needle seat, PEEK 0.17 mm id capillary, 2.3 µL	G1329-87017
			Standard needle seat, PEEK 0.12 mm id capillary, 1.2 µL	G1329-87012
G1313A, G1329A, 1120, 1220 Infinity LC (automated sampler only)	Needle assembly, for use with PEEK seat	G1313-87203	Standard needle seat, PEEK 0.17 mm id capillary, 2.3 µL	G1313-87102
G1313A, G1329A/B, 1120, 1220 Infinity LC (automated sampler only)	Needle assembly, 900 µL upgrade	G1313-87202	Standard needle seat 0.17 mm id capillary, 2.3 µL	G1329-87017
G1389A	Needle assembly, micro LC autosampler	G1329-80001	Micro LC Needle seat 100 µm id capillary, 1.2 µL	G1329-87101
			Micro LC Needle seat 50 µm id capillary, 0.3 µL	G1329-87103
G1367A/B	Needle assembly, well plate autosampler (green)	G1367-87200	Needle seat Vespel, well plate autosampler 0.17 mm id capillary, 2.3 µL	G1367-87101
	Needle assembly, well plate autosampler (blue)	G1367-87201	Needle seat Vespel, well plate autosampler 0.12 mm id capillary, 1.2 µL	G1367-87102

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Seat Assembly 0.17 mm id standard autosampler, G1329-87017



Seat Assembly 0.12 mm id standard autosampler, G1329-87012

### Needles and Needle Seats

Agilent Autosampler	Needle Assembly Description	Part No.	Compatible with Needle Seat	Part No.
G1367C SL and G1367D SL Plus	Needle assembly, well plate autosampler (black)	G1367-87202	Needle seat, 600 bar, with seat capillary 0.17 mm id x 100 mm, 0.8 mm od	G1367-87017
			Needle seat, PEEK 600 bar, with seat capillary 0.12 mm id x 100 mm, 0.8 mm od	G1367-87012
G1367E	Needle assembly, 1290/1260 Infinity LC autosampler	G4226-87201	Needle seat, PEEK 600 bar, with seat capillary 0.12 mm id x 100 mm, 0.8 mm od	G1367-87012
G1377A	Needle assembly, micro well plate sampler	G1377-87201	Micro needle seat with seat capillary, 100 µm	G1377-87000
			Micro needle seat with seat capillary, 75 µm	G1377-87001
			Micro needle seat with seat capillary, 50 µm	G1377-87002
G2258A	Needle assembly, dual loop autosampler	G2258-68710	Twin needle seat, dual loop autosampler	G2258-87102
G2260A	Needle assembly, prep autosampler	G2260-87201	Needle seat, prep autosampler 0.5 mm id, 20 µL	G2260-87101
G4226A	Needle assembly, 1290/1260 Infinity LC autosampler	G4226-87201	Seat assembly, Vespel 0.12 mm, 1290 Infinity LC autosampler	G4226-87012
G4226A	Needle assembly, 1290/1260 Infinity LC autosampler	G4226-87201	Low dispersion needle seat	G4226-87020
G5667A	Bio-inert needle, 600 bar	G5667-87200	Bio-inert needle seat assembly, 600 bar	G5667-87017

### Accessories

Description	Use With	Part No.
Seat adapter	G1313A, G1329A, G1389A, G2260A, 1120 and 1220 Infinity LC	G1313-43204
Finger caps, for Autosampler Gripper, 15/pk	G1313A, G1329A, G1389A, G2260A, 1120 and 1220 Infinity LC	5063-6506
Tool for micro seat capillary mounting	G1377A	G1377-44900



Needle seat, PEEK 600 bar, with seat capillary, G1367-87012



Seat assembly for 1290/1260 Infinity LC, G4226-87012



Needle Assembly for 1290/1260 Infinity LC, G4226-87201

## Metering Device Supplies

Infrequently, the metering device seal and piston may need replacement if you see loss in injection volume precision or metering device leaking.

### Metering Device Supplies

Piston Description	Use With	Part No.	Seal Description	Part No.
Sapphire piston, 40 µL	G1367D, G1389A, G1377A, G4226A	5064-8293	Piston seal, 2 mm, for G1367D, G1389A, G1377A	5022-2175
			Piston seal for G4226A	0905-1717
Sapphire plunger, 100 µL	G1313A, G1329A/B, G1367A/B/C, G1367E	5063-6586	Piston seal graphite filled PTFE (reversed-phase), 2/pk	5063-6589
Sapphire plunger, 100 µL	G5667A	5067-4695	Bio-inert piston seal	G5611-21503
Sapphire piston, 900 µL	G1313A, G1329A/B, G1367E	5062-8587	Metering valve seal	0905-1294
Piston, 5 mL	G2258A	G2258-60003	Piston seal	0905-1599

### Loop Capillaries

Description	Agilent Autosampler	Part No.
Stainless steel loop capillary, 100 µL	G5667A	G5667-60320
	G1313A	01078-87302
	G1329A/B	
	1120	
	1220 Infinity LC	
	G1367A/B/C	G1367-87300
	G4226A	5067-4710
Stainless steel loop capillary, 900 µL	G1329A/B	G1313-87303
	G2260A	
Loop capillary, 40 µL	G1367D	G1377-87310
	G4226A	5067-4703
	G1367E	
	G1377A	G1377-87300
	G1389A	G1329-87302
Loop capillary, 20 µL	G4226A	G4226-60310
	G1367E	
Loop capillary, 8 µL	G1389A	G1375-87303
	G1377A	G1375-87315
Loop capillary, 5 mL	G2260A	G2260-68711



Piston seals, 5063-6589



Sample loop, 01078-87302



Loop capillary, 20 µL, G4226-60310

## Autosampler Trays

### Autosampler Trays

Description	Part No.
<b>For G1313A, G1329A/B, 1120, 1220 Infinity LC samplers</b>	
100 position tray for 2 mL vials	G1313-44510
100 position tray for 2 mL vials, thermostatable	G1329-60011
40 position tray for 2 mL vials	G1313-44512
15 position tray for 6 mL vials	G1313-44513
External vial tray for 17 vials (disposal position)	G1313-60004
Disposal tube for external vial tray	G1313-27302
<b>For G1367A/B/C/D/E, G2258A, G4226A</b>	
Well plate tray, 2 well plates, 10 vials (supports 50 mm plates)	G2258-60011
Vial plate for 54 x 2 mL vials, 6/pk	G2255-68700
Vial plate for 15 x 6 mL vials	5022-6539
<b>For G1367A/B/C/D/E</b>	
100 position tray for micro vials	G4226-60021
Also for G4226A	
Plate for 27 Eppendorf Safe-lock tubes, 0.5/1.5/2 mL	5022-6538
<b>For G2257A</b>	
8.5 in well plate rack, 2/pk	G2255-68709
For 16 shallow well plates, 4 deep well plates (max 48 mm height) or 6 vial racks	
10 in well plate rack, 2/pk	G2255-68710
For 20 shallow well plates (max height 16 mm), not compatible with deep well plates	
8.5 in well plate rack extension	G2255-68720
Includes 3 racks for 3 x 16 shallow well plates, 2 x 4 deep well plates (max 48 mm height) or 3 x 6 vial racks	
10 in well plate rack extension	G2255-68730
Includes 3 racks for 3 x 20 shallow well plates (max height 16 mm), not compatible with deep well plates	
<b>For G2250A</b>	
205H rack, two 96-deep well plates	G2250-04504
200 rack, 13 x 100 mm tubes (9 mL), 96	G2250-04503
207 rack, 16 x 100 mm tubes (12 mL), 75	G2250-04502
209 rack, 12 x 32 mm tubes (12 mL), 96	G2250-04501
94A special holding 1100 tray	G2250-04500



Vial plate, G2255-68700



Vial plate, 5022-6539



Plate for 27 Eppendorf Safe-lock tubes, 5022-6538

# Autosampler Kits

## Autosampler Kits

Description	Kit Contents	Part No.
<b>Preventive Maintenance Kits</b>		
For G1329B autosamplers	Includes 1 PEEK rotor seal, 1 needle seat, 1 needle	G1313-68719
For G1313A, G1329A autosamplers	Includes 1 Vespel rotor seal, 1 needle seat, 1 needle, 2 metering seals and 15 finger caps	G1313-68709
For G1313A, G1329A samplers	Includes 1 Vespel rotor seal, 1 needle seat, 1 needle	G1313-68730
For G1367A/B autosamplers	Includes 1 Vespel rotor seal, 1 needle seat, 1 needle, 1 peristaltic pump cartridge, 1 seal tight nut	G1367-68730
For G1367C/D autosamplers	Includes 1 needle assembly, 1 low carry over seat, 1 peristaltic pump, 1 rotor seal	G1367-68734
For G1367E autosampler	Includes 1 PEEK rotor seal, 1 needle seat, 1 needle, 1 peristaltic pump cartridge, 1 metering seal	G1367-68741
For 1220 manual injector systems	Includes piston seals, PTFE frits, gold seals and rotor seal	G4280-68750
For 1220 automated injector systems	Includes piston seals, PTFE frits, gold seals, rotor seal, needle and needle seat	G4280-68770
For 1120 manual injector systems	Includes 1 piston seal, 5 PTFE frits, 2 gold seals, 4 outlet caps and 1 PEEK rotor seal	G4280-68710
For 1120 automated injector systems	Includes 1 piston seal, 5 PTFE frits, 2 gold seals, 4 outlet caps, 1 Vespel rotor seal, 1 needle and 1 needle seat	G4280-68730
For G4226A HiP autosampler	Includes 1 needle seat, 1 needle, 1 rotor 2 position/6 ports, 1 peristaltic pump, 1 metering seal	G4226-68735
Extended PM kit For G1313A, G1329A autosamplers	Includes 1 Vespel rotor seal, 1 needle seat, 1 needle, 1 metering seal, 1 stator face	5065-4498

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Maintenance kit, G1313-68709



PM kit for 1220 manual injector systems, G4280-68750

## Autosampler Kits

Description	Kit Contents	Part No.
<b>Door Replacement Kits</b>		
Cabinet upgrade kit for 1260 Infinity LC sampler	Includes side panel, top cover and front door	G1329-68736
Cabinet kit for G1367E and G4226A	Includes side panel, base plate and top cover	5067-4662
Door replacement kit for 1260 Infinity LC sampler	Includes front and side doors	G1329-68737
Door repair kit for G1367E and G4226A	Includes front door	G4226-67001
Light protection kit for G1329A	Includes opaque front and side doors and front cover	G1329-68718
Door replacement kit for G1329A	Includes transparent front and side doors	G1329-68727
<b>Upgrade Kits</b>		
Multidraw upgrade kit for G1313A/G1327A/G1329A autosamplers	Includes 500 $\mu$ L capillary, 1500 $\mu$ L capillary and ZDV union	G1313-68711
Large volume injection kit for the Agilent 1290 Infinity autosampler G4226A	80 $\mu$ L seat capillary	G4216-68711



Cabinet upgrade kit, G1329-68736



Door replacement kit, G1329-68737