HUMAN HEALTH

ENVIRONMENTAL HEALTH

QUALITY YOU NEED FROM A PARTNER YOU TRUST



Integrated Solutions for Agilent® GC Systems

PerkinElmer®
For the Better


1.5
1.5
1.5

THE SOLUTIONS YOU NEED TO SUCCEED

PerkinElmer® has been a leading provider of chromatography instrumentation for over 75 years. In addition, we've invested heavily in building the most experienced and trusted service name in the industry – OneSource®. As of today, we are providing service for more than 110,000 PerkinElmer and non-PerkinElmer scientific instruments in well over 100 laboratories in North America, Europe and the Pacific Rim.

Per your request, we have used our knowledge and expertise to expand our portfolio, to bring you the best performing and productivity enhancing solutions for your Agilent® gas chromatograph systems. From inlet liners to columns, inside this guide you will find a range of products that are fit to perform on your Agilent® 5890, 6890 and 7890 series GC.

At PerkinElmer, we're committed to helping you achieve success for your laboratory. Sample preparation, measurement, training, service - we have what you need to keep your laboratory running better at every stage.

Integrated Solutions for Agilent® GC Systems

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LABORATORY SUCCESS STARTS HERE

Sample preparation is one of the most critical steps in the analytical process. Often accounting for 60% of your timetable, it has a fundamental impact on a wide range of operational parameters. Any errors within this process can undermine the quality of your data at all subsequent stages of your analysis.

Get Your Analysis Right From the Start

SUPRA-CLEAN® AND SUPRA-POLY® SOLID PHASE EXTRACTION (SPE)

Supra-Clean and Supra-Poly SPE products are designed to offer you a sample preparation solution that decreases your sample preparation time all while maintaining a high level of reproducibility. Supra-Clean uses a silica based media and Supra-Poly uses a polymer based media. Both formats are packed using Precise- Bed Technology™ and spherical particles, which allow columns to be evenly and consistently filled resulting in optimum bed density. You'll experience consistent sample preparation performance column to column, batch to batch, and lot to lot. A wide variety of column capacities and bed weights are also available allowing you to perform scalable analyses depending upon your sample size and required detection limits.



SUPRA-CLEAN COLUMNS AND 96 WELL PLATES

- Pure spherical silica
- Pore size 60 - 120 Å
- 20 chemistries with pH range 2-8



Supra-Clean C18

Supra-Clean C18 Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306476	50
100 mg	1 ml	N9306478	100
100 mg	3 ml	N9306523	50
200 mg	3 ml	N9306462	50
500 mg	3 ml	N9306438	50
500 mg	3 ml*	N9306642	50
200 mg	6 ml	N9306634	30
500 mg	6 ml	N9306448	30
500 mg	6 ml*	N9306640	30
1 g	6 ml	N9306422	30
2 g	6 ml	N9306430	30
2 g	15 ml	N9306479	20
2 g	25 ml	N9306475	20

** Not end-capped*

Supra-Clean C18 96 Well Plates

Media Weight	Volume	Part No.	Quantity
25 mg	2 ml	N9306566	1
50 mg	2 ml	N9306567	1
100 mg	2 ml	N9306568	1

Supra-Clean C18 Cartridges

Media Weight	Volume	Part No.	Quantity
390 mg	--	N9306587	50
910 mg	--	N9306588	50
1690 mg	--	N9306589	50

Supra-Clean REC18

Supra-Clean REC18 Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306519	50
100 mg	1 ml	N9306520	100
100 mg	3 ml	N9306455	50
200 mg	3 ml	N9306521	50
500 mg	3 ml	N9306522	50
200 mg	6 ml	N9306633	30
500 mg	6 ml	N9306457	30
1 g	6 ml	N9306491	30

Supra-Clean REC18 96 Well Plates

Media Weight	Volume	Part No.	Quantity
25 mg	2 ml	N9306563	1
50 mg	2 ml	N9306564	1
100 mg	2 ml	N9306565	1

Supra-Clean 300Å C4

Supra-Clean 300Å C4 Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306590	50
100 mg	1 ml	N9306591	100
100 mg	3 ml	N9306592	50
200 mg	3 ml	N9306593	50

Supra-Clean Strong Anion Exchange (SAX)

Supra-Clean Strong Anion Exchange (SAX) Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306553	50
100 mg	1 ml	N9306471	100
100 mg	3 ml	N9306554	50
200 mg	3 ml	N9306482	50
500 mg	3 ml	N9306555	50
500 mg	6 ml	N9306556	30

Supra-Clean Strong Anion Exchange (SAX) 96 Well Plates

Media Weight	Volume	Part No.	Quantity
25 mg	2 ml	N9306581	1
50 mg	2 ml	N9306582	1
100 mg	2 ml	N9306583	1

Supra-Clean Strong Cation Exchange (SCX)

Supra-Clean Strong Cation Exchange (SCX) Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306536	50
100 mg	1 ml	N9306432	100
100 mg	3 ml	N9306537	50
200 mg	3 ml	N9306538	50
500 mg	3 ml	N9306539	50
500 mg	6 ml	N9306540	30

Supra-Clean Strong Cation Exchange (SCX) 96 Well Plates

Media Weight	Volume	Part No.	Quantity
25 mg	2 ml	N9306575	1
50 mg	2 ml	N9306576	1
100 mg	2 ml	N9306577	1

Supra-Clean Weak Cation Exchange (WCX)

Supra-Clean Weak Cation Exchange (WCX) Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306544	50
100 mg	1 ml	N9306545	100
100 mg	3 ml	N9306546	50
200 mg	3 ml	N9306547	50
500 mg	3 ml	N9306420	50
500 mg	6 ml	N9306407	30

Supra-Clean Mixed-Mode (MM1)

Supra-Clean Mixed-Mode (MM1) Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306541	50
100 mg	1 ml	N9306542	100
100 mg	3 ml	N9306419	50
200 mg	3 ml	N9306543	50
500 mg	3 ml	N9306481	50
500 mg	6 ml	N9306416	30
200 mg	15 ml	N9306713*	20

** LRC Columns*

Supra-Clean Mixed-Mode (MM1) 96 Well Plates

Media Weight	Volume	Part No.	Quantity
25 mg	2 ml	N9306578	1
50 mg	2 ml	N9306579	1
100 mg	2 ml	N9306580	1

Supra-Clean Mixed-Mode (MM2)

Supra-Clean Mixed-Mode (MM2) Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306548	50
100 mg	1 ml	N9306549	100
100 mg	3 ml	N9306550	50
200 mg	3 ml	N9306551	50
500 mg	3 ml	N9306411	50
500 mg	6 ml	N9306552	30

Supra-Clean Mixed-Mode (MM3)

Supra-Clean Mixed-Mode (MM3) Columns

Media Weight	Volume	Part No.	Quantity
500 mg	6 ml	N9306649	30

Supra-Clean Florisil (FL-S)

Supra-Clean Florisil (FL-S) Columns

Media Weight	Volume	Part No.	Quantity
200 mg	3 ml	N9306511	50
500 mg	3 ml	N9306512	50
500 mg	6 ml	N9306494	30
1 g	6 ml	N9306413	30
2 g	6 ml	N9306513	20
2 g	15 ml	N9306514	20
2 g	25 ml	N9306515	20

Supra-Clean Florisil (FL-S) Pesticide Grade

Supra-Clean Florisil (FL-S) Pesticide Grade Columns

Media Weight	Volume	Part No.	Quantity
200 mg	3 ml	N9306516	50
500 mg	3 ml	N9306400	50
500 mg	6 ml	N9306517	30
1 g	6 ml	N9306436	30
2 g	6 ml	N9306470	30
2 g	15 ml	N9306443	20
2 g	25 ml	N9306447	20

Supra-Clean Silica (SI-S)

Supra-Clean Silica (SI-S) Columns

Media Weight	Volume	Part No.	Quantity
100 mg	3 ml	N9306532	50
200 mg	3 ml	N9306444	50
500 mg	3 ml	N9306402	50
500 mg	6 ml	N9306466	30
1 g	6 ml	N9306404	30
2 g	6 ml	N9306533	20
2 g	15 ml	N9306534	20
2 g	25 ml	N9306535	20

Supra-Clean Silica (SI-S) Cartridges

Media Weight	Volume	Part No.	Quantity
300 mg	--	N9306584	50
700 mg	--	N9306585	50
1300 mg	--	N9306586	50

Supra-Clean Cyano (CN-S)

Supra-Clean Cyano (CN-S) Columns

Media Weight	Volume	Part No.	Quantity
500 mg	3 ml	N9306645	50
500 mg	6 ml	N9306644	30

Supra-Clean Amino (NH2-S)

Supra-Clean Amino (NH2-S) Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306528	50
100 mg	1 ml	N9306410	100
100 mg	3 ml	N9306529	50
500 mg	3 ml	N9306414	50
200 mg	6 ml	N9306530	50
500 mg	6 ml	N9306531	30

Supra-Clean Amino (NH2-S) 96 Well Plates

Media Weight	Volume	Part No.	Quantity
25 mg	2 ml	N9306572	1
50 mg	2 ml	N9306573	1
100 mg	2 ml	N9306574	1

Supra-Clean Polyamine (P6)

Supra-Clean Polyamine (P6) Columns

Media Weight	Volume	Part No.	Quantity
500 mg	3 ml	N9306518	50
500 mg	6 ml	N9306434	30

Supra-Clean Phenyl (PH-S)

Supra-Clean Phenyl (PH-S) Columns

Media Weight	Volume	Part No.	Quantity
50 mg	1 ml	N9306401	50
100 mg	1 ml	N9306524	100
100 mg	3 ml	N9306525	50
200 mg	3 ml	N9306490	50
500 mg	3 ml	N9306421	50
500 mg	6 ml	N9306526	30
1 g	6 ml	N9306527	30

Supra-Clean Phenyl (PH-S) 96 Well Plates

Media Weight	Volume	Part No.	Quantity
25 mg	2 ml	N9306569	1
50 mg	2 ml	N9306570	1
100 mg	2 ml	N9306571	1

Supra-Clean LCC

Supra-Clean LCC Columns

Media Weight	Volume	Part No.	Quantity
500 mg	3 ml	N9306643	50
500 mg	6 ml	N9306641	30

SUPRA-POLY HLB COLUMNS AND 96 WELL PLATES

- Contains macro-porous polymers with ultra-pure, pharmaceutical grade spherical particles
- Shorter analysis times, greater load capacity and reduced solvent usage
- Ideal for high throughput assays



Supra-Poly HLB

Supra-Poly HLB 30 µm Columns

Media Weight	Volume	Part No.	Quantity
30 mg	1 ml	N9306650	50
50 mg	1 ml	N9306655	50
60 mg	1 ml	N9306656	50
100 mg	1 ml	N9306657	50
30 mg	3 ml	N9306651	50
60 mg	3 ml	N9306658	50
100 mg	3 ml	N9306659	50
200 mg	3 ml	N9306660	50
500 mg	3 ml	N9306661	30
100 mg	6 ml*	N9306672	30
150 mg	6 ml	N9306662	30
200 mg	6 ml	N9306663	30
200 mg	6 ml*	N9306673	30
500 mg	6 ml*	N9306674	30
500 mg	6 ml	N9306664	30
500 mg	15 ml	N9306665	20
1 g	15 ml	N9306666	20
30 mg	15 ml**	N9306668	50
60 mg	15 ml**	N9306669	50
100 mg	15 ml**	N9306670	50
200 mg	15 ml**	N9306671	50
1 g	25 ml	N9306667	20

Supra-Poly HLB 60 µm Columns

Media Weight	Volume	Part No.	Quantity
30 mg	1 ml	N9306652	50
50 mg	1 ml	N9306675	50
60 mg	1 ml	N9306676	50
100 mg	1 ml	N9306677	50
30 mg	3 ml	N9306653	50
60 mg	3 ml	N9306678	50
100 mg	3 ml	N9306679	50
200 mg	3 ml	N9306680	50
500 mg	3 ml	N9306681	30
100 mg	6 ml*	N9306692	30
150 mg	6 ml	N9306682	30
200 mg	6 ml	N9306683	30
200 mg	6 ml*	N9306693	30
500 mg	6 ml	N9306684	30
500 mg	15 ml	N9306685	20
500 mg	6 ml*	N9306694	30
1 g	15 ml	N9306686	20
30 mg	15 ml**	N9306688	50
60 mg	15 ml**	N9306689	50
100 mg	15 ml**	N9306690	50
200 mg	15 ml**	N9306691	50
1 g	25 ml	N9306687	20

** Glass columns* *** LRC columns*

Supra-Poly HLB 30 µm 96 Well Plates

Media Weight	Volume	Part No.	Quantity
30 mg	2 ml	N9306698	1
50 mg	2 ml	N9306699	1
60 mg	2 ml	N9306700	1

Supra-Poly HLB 60 µm 96 Well Plates

Media Weight	Volume	Part No.	Quantity
30 mg	2 ml	N9306695	1
50 mg	2 ml	N9306696	1
60 mg	2 ml	N9306697	1

SUPRA-POLY COLUMNS AND 96 WELL PLATES

- Contains macro-porous polymers with ultra-pure, pharmaceutical grade spherical particles
- Shorter analysis times, greater load capacity and reduced solvent usage
- Ideal for high throughput assays



Supra-Poly Extreme Capacity 1500 m^2/g (XC)

Supra-Poly Extreme Capacity 1500 m^2/g (XC) Columns

Media Weight	Volume	Part No.	Quantity
30 mg	1 ml	N9306441	50
50 mg	1 ml	N9306500	50
60 mg	1 ml	N9306501	50
100 mg	1 ml	N9306403	50
60 mg	3 ml	N9306502	50
100 mg	3 ml	N9306440	50
200 mg	3 ml	N9306428	50
200 mg	6 ml	N9306635	30
500 mg	6 ml	N9306405	30
1 g	15 ml	N9306503	20

Supra-Poly Extreme Capacity 1500 m^2/g (XC) 96 Well Plates

Media Weight	Volume	Part No.	Quantity
30 mg	2 ml	N9306557	1
50 mg	2 ml	N9306558	1
60 mg	2 ml	N9306559	1

Supra-Poly Extra Wide Particle 1200 m^2/g (XWP)

Supra-Poly Extra Wide Particle 1200 m^2/g (XWP) Columns

Media Weight	Volume	Part No.	Quantity
30 mg	1 ml	N9306504	50
50 mg	1 ml	N9306427	50
60 mg	1 ml	N9306505	50
100 mg	1 ml	N9306506	50
60 mg	3 ml	N9306507	50
100 mg	3 ml	N9306508	50
200 mg	3 ml	N9306509	50
500 mg	6 ml	N9306418	30
1 g	15 ml	N9306510	20

Supra-Poly Extra Wide Particle 1200 m^2/g (XWP) 96 Well Plates

Media Weight	Volume	Part No.	Quantity
30 mg	2 ml	N9306560	1
50 mg	2 ml	N9306561	1
60 mg	2 ml	N9306562	1

Supra-Poly Environmental (AEV)

Supra-Poly AEV Columns

Media Weight	Volume	Part No.	Quantity
100 mg	3 ml	N9306648	50

Supra-Poly Hydrophilic (ATH)

Supra-Poly ATH Columns

Media Weight	Volume	Part No.	Quantity
100 mg	3 ml	N9306646	50
200 mg	3 ml	N9306638	50
200 mg	6 ml	N9306636	30

Supra-Poly Lipophilic (ATL)

Supra-Poly ATL Columns

Media Weight	Volume	Part No.	Quantity
100 mg	3 ml	N9306647	50
200 mg	3 ml	N9306639	50
200 mg	6 ml	N9306637	30

SPE SELECTION KITS

Selection kits enable quick column selection for development of reproducible and repeatable SPE methods.



SPE Selection Kits

Description	Media Weight	Volume	Part No.	Quantity
Pre-Concentration of Hydrophobic Compounds from Aqueous Matrix	200 mg 200 mg	6 ml 3 ml	N9306594 N9306595	50 50
Extraction of Hydrophobic Compounds from Aqueous Matrix	500 mg 500 mg	6 ml 3 ml	N9306596 N9306597	50 50
Pre-Concentration of Hydrophilic Compounds	500 mg 500 mg	6 ml 3 ml	N9306598 N9306599	30 30
Removal of Polar Compounds from Aqueous and Organic Matrix	500 mg 500 mg	6 ml 3 ml	N9306600 N9306601	30 30
Extraction of Acidic Basic and Neutral Compounds from Aqueous or Organic Matrix	100 mg	3 ml	N9306602	50
Extraction of Carboxylic Acids and Strong Bases from Aqueous Matrix	500 mg	6 ml	N9306603	40
Extraction of Weak Bases from Aqueous Matrix	500 mg	6 ml	N9306604	30

SPE APPLICATION PACKS

Ideal for extraction of known entities from a variety of matrices, our packs are expertly tailored to meet your application needs and are designed to support major EPA methods and applications.

SPE Application Packs

Description	Media Weight	Volume	Part No.	Quantity
Extraction of Basic Drugs from Biological Fluids	200 mg	3 ml	N9306605	50
Extraction of Bisphenol A from Aqueous Matrix	1 g	6 ml	N9306613	30
Extraction of Oil and Grease from Aqueous Matrix-EPA 1664	500 mg 1 g	3 ml 6 ml	N9306612 N9306611	50 30
Extraction of PAH from Soil and Oil	1.5 g	6 ml	N9306609	30
Extraction of PAH from Soil and Oil (Glass Straight Column)	1.5 g	6 ml	N9306610	30
Extraction of PAH from Water Containing Humic Acids	1.5 g	6 ml	N9306608	30
Extraction of PAH from Water or Soil	4 g	6 ml	N9306606	30
Extraction of PAH from Water or Soil (Glass Straight Column)	4 g	6 ml	N9306607	30
Extraction of PCB from Oil	1 g 1 g	6 ml 3 ml	N9306617 N9306616	30 50
Extraction of Pesticides and Herbicides from Aqueous Matrix	500 mg	3 ml	N9306614	50
Extraction of Steroids from Biological Fluids	500 mg	6 ml	N9306615	30
Extraction of SVOC from Water-EPA 525	1 g	6 ml	N9306618	30

SPE VACUUM PUMPS, MANIFOLDS AND ACCESSORIES

PerkinElmer SPE Vacuum Manifolds allow multiple samples to be processed simultaneously by conveniently holding SPE media cartridges in place and allowing samples to pass through them. SPE Vacuum Manifolds are available to accommodate either 12 or 24 cartridges; 1, 3, 6, 15, and 25 mL cartridges can be used with the manifolds. Manifolds are equipped with a vacuum port where a standard laboratory vacuum pump can be connected. The vacuum pulls the sample through the stationary phase, metered by the stopcocks, to control the speed of the extraction process and the sample flow over the media bed in the SPE cartridge. Waste and wash solvents are discarded and analytes are collected in sample tubes below the Manifold completing the extraction.



SPE Manifolds and Accessories

Description	Part No.	Quantity
Vacuum Manifold - 12 Position	N9306619	1 each
Vacuum Manifold - 24 Position	N9306626	1 each
Vacuum Manifold Plugs	N9306764	50 pack
Replacement Chamber (Glass) - 12 Position	N9306620	1 each
Replacement Chamber (Glass) - 24 Position	N9306627	1 each
Cover Gasket - 12 Position	N9306621	1 each
Cover Gasket - 24 Position	N9306628	1 each
Stopcocks - 12 Position	N9306624	12 pack
Stopcocks - 24 Position	N9306631	24 pack
Needles - Polypropylene - 12 Position	N9306622	12 pack
Needles - Polypropylene - 24 Position	N9306629	24 pack
Needles - Stainless Steel - 12 Position	N9306623	12 pack
Needles - Stainless Steel - 24 Position	N9306630	24 pack
Needles - Polypropylene, Long with Control Valve- 12/24 Position	N9306765	50 pack
Female Luer fittings (top cover)	N9306762	2 pack
Male Luer Fittings (bottom cover)	N9306763	2 pack
Drying Attachment - 12 Position	N9306625	1 each
Drying Attachment - 24 Position	N9306632	1 each

Vacuum Pumps

Description	Part No.	Quantity
Vacuum Pump 20 L/min 115V	N9308065	1 each
Vacuum Pump 60 L/min 115V	N9308063	1 each
Vacuum Pump 17 L/min 230V	N9308331	1 each

QuEChERS (Quick, Easy, Cheap, Effective, Rugged, Safe) dispersive SPE, is the number one used sample preparation approach in pesticide residue analysis. Supra-d QuEChERS dispersive SPE turns sample preparation into an easy two-step process: 1) Extract 2) Clean-Up. It eliminates complex liquid extraction methods and extends the range of recovered pesticides. A certificate of quality is included in each kit, ensuring you have the best for your application.

SUPRA-D™ QUECHERS DISPERSIVE SPE

- Three QuEChERS methods available: Original QuEChERS method, American AOAC Standard (Official Method 2007.01) QuEChERS method and European Standard (EN 15662) QuEChERS method
- Each kit includes pre-prepared products for simplicity and error-free extractions



Extraction Kits

Method	Vol.	Qty.	$MgSO_4$	Na Acetate	Na Citrate	Na Citrate Sesquihydrate	NaCL	Part No.
AOAC 2007.01	50 mL	50	6 g	1.5 g				N9306900
EN 15662	50 mL	50	4 g		1 g	0.5 g	1 g	N9306901
Original	50 mL	50	4 g				1 g	N9306902

AOAC 2007.01 Clean-up Kits

Description	Vol.	Qty.	$MgSO_4$[1]	PSA[2]	C18[3]	PGC[4]	Part No.
Fruit & Vegetables	2 mL	100	150 mg	50 mg			N9306908
Fruit & Vegetables	15 mL	50	1200 mg	400 mg			N9306909
Fruit & Vegetables with Fats and Waxes	2 mL	100	150 mg	50 mg	50 mg		N9306910
Waxed Fruit & Vegetables	15 mL	50	1200 mg	400 mg	400 mg		N9306911
Pigmented Fruit & Vegetables	15 mL	50	1200 mg	400 mg		400 mg	N9306912
Fruit & Vegetables with Pigments and Fats	2 mL	100	150 mg	50 mg	50 mg	50 mg	N9306913
Fruit & Vegetables with Pigments and Fats	15 mL	50	1200 mg	400 mg	400 mg	400 mg	N9306914

EN 15662 Clean-up Kits

Description	Vol.	Qty.	$MgSO_4$[1]	PSA[2]	C18[3]	PGC[4]	Part No.
Fruit & Vegetables	2 mL	100	150 mg	25 mg			N9306920
Fruit & Vegetables	15 mL	50	900 mg	150 mg			N9306921
Fruit & Vegetables with Fats and Waxes	2 mL	100	150 mg	25 mg	25 mg		N9306922
Waxed Fruit & Vegetables	15 mL	50	900 mg	150 mg	150 mg		N9306923
Pigmented Fruit & Vegetables	15 mL	50	900 mg	150 mg		15 mg	N9306924
Pigmented Fruit & Vegetables	2 mL	100	150 mg	25 mg		2.5 mg	N9306925
High Pigmented Fruit & Vegetables	2 mL	100	150 mg	25 mg		7.5 mg	N9306926
High Pigmented Fruit & Vegetables	15 mL	50	900 mg	150 mg		45 mg	N9306927

Clean-up Kit

Description	Method	Vol.	Qty.	$MgSO_4$[1]	PSA[2]	C18[3]	PGC[4]	Part No.
Clean-up Kit	Original	15 mL	50	900 mg	300 mg		150 mg	N9306933

[1] $MgSO_4$ removes excess water

[2] PSA removes sugars, fatty acids, organic acids, and anthocyanine pigments

[3] C18 removes nonpolar interferences

[4] PGC (carbon) removes pigments, sterols, and nonpolar interferences

SAMPLE PREPARATION

SAMPLE FILTRATION

Our Syringe Filters are lab tested to ensure high quality. Membrane materials are supplied per ISO9001:2008 certified manufacturing practices, in certified clean room conditions, using the latest manufacturing technology to ensure a high quality, consistent product. The pure polypropylene housings are color-coded and available in smooth rim or gear rim formats.

SYRINGE FILTERS

- 0.22 µm and 0.45 µm pore sizes available in Nylon, PTFE and PVDF
- 4 mm, 13 mm, 17 mm, 25 mm and 30 mm formats available
- 100 or 200 packages available



Syringe Filters

Size	Color	Pkg	Part No.
Nylon			
0.22 µm, 4 mm	Clear	200	02542900
0.45 µm, 4 mm	Clear	200	02542901
0.22 µm, 13 mm	Purple	100	02542902
0.45 µm, 13 mm	Purple	100	02542903
0.22 µm, 17 mm	Yellow	100	02542881
0.45 µm, 17 mm	Yellow	100	02542880
0.22 µm, 25 mm	Purple	100	02542904
0.45 µm, 25 mm	Purple	100	02542905
0.22 µm, 30 mm	Yellow	100	02542883
0.45 µm, 30 mm	Yellow	100	02542882
PTFE (Hydrophilic)			
0.22 µm, 4 mm	Clear	200	02542922
0.45 µm, 4 mm	Clear	200	02542923
0.22 µm, 13 mm	Red	100	02542924
0.45 µm, 13 mm	Red	100	02542925
0.22 µm, 25 mm	Red	100	02542926
0.45 µm, 25 mm	Red	100	02542927
0.22 µm, 30 mm	Red	100	02542928
0.45 µm, 30 mm	Red	100	02542929

Size	Color	Pkg	Part No.
PTFE (Hydrophobic)			
0.22 µm, 4 mm	Clear	200	02542906
0.45 µm, 4 mm	Clear	200	02542907
0.22 µm, 13 mm	Red	100	02542908
0.45 µm, 13 mm	Red	100	02542909
0.22 µm, 17 mm	Red	100	02542884
0.45 µm, 17 mm	Red	100	02542910
0.22 µm, 25 mm	Red	100	02542911
0.45 µm, 25 mm	Red	100	02542912
0.22 µm, 30 mm	Red	100	02542886
0.45 µm, 30 mm	Red	100	02542885
PVDF			
0.22 µm, 4 mm	Clear	200	02542913
0.45 µm, 4 mm	Clear	200	02542914
0.22 µm, 13 mm	Yellow	100	02542915
0.45 µm, 13 mm	Yellow	100	02542783
0.22 µm, 17 mm	Maroon	100	02542916
0.45 µm, 17 mm	Maroon	100	02542917
0.22 µm, 25 mm	Yellow	100	02542918
0.45 µm, 25 mm	Yellow	100	02542919
0.22 µm, 30 mm	Maroon	100	02542920
0.45 µm, 30 mm	Maroon	100	02542921



MEASURE WITH COMPLETE CONFIDENCE

Our team of dedicated Chromatography Specialists has an expertise that boasts years of knowledge in understanding a laboratory's product requirements.

This knowledge allows us to offer you a quality consumables portfolio for your Agilent® GC. From columns to gas purification systems, our precision-designed, genuine tested and approved consumables will provide you with the accuracy and precision you need.

HIGH EFFICIENCY CAPILLARY COLUMNS – MADE FROM THE FINEST QUALITY HIGH-STRENGTH FUSED SILICA

Many factors influence the quality of a column. Fused silica, used in the PerkinElmer Elite Series, is considered to be the purest form of glass, with fewer metal oxides (Lewis acid sites) and hydrogen bonding (surface silanol) groups. The stationary phase is cross linked (polymerized) and also bonded to the surface of the column to provide a high degree of stability, resulting in lower bleeding of the stationary phase at elevated temperatures. The superior inertness of the column means that you can analyze acidic and basic compounds on the same column.

EXPERIENCE THE POWER OF ELITE

- Finest quality of high-strength fused silica
- Each column individually inspected and tested
- Reproducible results
- Crosslinked and bonded stationary phase
- Robust column cage
- Superior resolution
- Reduced baseline bleed
- Lower baseline noise



Capillary Columns

Description	Phase Reference	Length	i.d.	Film Thickness	PerkinElmer Part No.	Similar to Agilent® Phase Reference	Similar to Agilent® Part No.
ELITE-1	100% dimethyl polysiloxane	15	0.25	0.1	N9316006	DB-1	122-1011
		60	0.25	0.1	N9316012	DB-1	122-1061
		60	0.32	0.1	N9316027	DB-1	123-1061
		60	0.32	0.25	N9316028	DB-1	123-1062
		60	0.53	1.5	N9316054	DB-1	125-1062
		60	0.32	1.5	N9316580	DB-1	123-106B
ELITE-5	5% diphenyl 95% dimethyl polysiloxane	30	0.25	0.1	N9316075	DB-5	122-5031
		30	0.25	1	N9316077	DB-5	122-5033
		30	0.32	0.1	N9316085	DB-5	123-5031
		60	0.32	0.25	N9316090	DB-5	123-5062
		30	0.53	5	N9316101	DB-5	125-5035
		60	0.53	1.5	N9316103	DB-5	125-5062
ELITE-624	6% cyanopropyl phenyl 94%dimethyl polysiloxane	30	0.25	1.4	N9316201	DB-624	122-1334
		60	0.25	1.4	N9316202	DB-624	122-1364
		60	0.32	1.8	N9316204	DB-624	123-1364
ELITE-5MS	5% diphenyl 95% dimethyl polysiloxane (low bleed)	30	0.25	0.25	N9316282	DB-5ms	122-5532
		30	0.25	1	N9316283	DB-5ms	122-5533
		60	0.25	0.25	N9316286	DB-5ms	122-5562
		30	0.32	0.25	N9316293	DB-5ms	123-5532
		60	0.32	0.1	N9316296	DB-5ms	123-5561
		60	0.32	1	N9316298	DB-5ms	123-5563
ELITE-WAX	Polyethylene glycol	30	0.25	0.5	N9316404	DB-WAX	122-7033
		30	0.53	0.5	N9316428	DB-WAX	125-7037
		60	0.53	1	N9316429	DB-WAX	125-7063

Other capillary column sizes are available, please visit www.perkinelmer.com/capillary

SPOTLIGHT ON BETTER MEASUREMENTS



FlowMark™ Flowmeter (N9307086) and Flowmeter 1000 (N9307029): Measuring gas flow on your Agilent® GC is important when setting up your instrument, developing a method, or troubleshooting. The probe on our FlowMark Flowmeters can be applied directly to the gas flow stream on the GC and the measured flow rate is presented on its LCD screen. Our FlowMark Flowmeter provides continuous real-time measurements of gas streams ranging from 0.50 mL/min to 500 mL/min; Flowmeter 1000 from 0.1 to 1000 mL/min. Because the technology uses volumetric flow measurement, the unit is compatible with most laboratory gases.

Ferrules are a key component to sealing your column connection and keeping it free from leaks. Leaks can cause contamination to enter your instrument, decreasing the life of the column. For best results, replace your ferrules the same time you replace your column. Ferrules are available in both graphite and graphite/vespel

FERRULES

- Graphite: Ferrule of choice for high-temperature applications up to 450 °C. Graphite seals easily and does not stick to glass columns
- Graphite/Vespel: 15% graphite/85% vespel ferrule recommended for use with GC/MS systems. Temperature limit of 350 °C.



Ferrules

Description	Fitting Size (in)	Ferrule ID (mm)	Column ID (mm)	PerkinElmer Part No.	Similar to Agilent® Part No.
Graphite Capillary Column Ferrules - 10/pack	1/16	0.5	0.32	09903700	5080-8853
15% Graphite / 85% Vespel Capillary Column Ferrules - 10/pack	1/16	0.4	0.18 - 0.25	09920104	5181-3323

INJECTION PORT SEPTA

Injection port septa maintain the leak-free seal and exclude air from the inlet. They come in many different sizes and are made from different types of materials specific to inlet type and analysis needs. Our septa are precision-molded with a recess on the injection side, to guide the syringe needle to the same point with every injection. Also, septa are treated to prevent sticking in the injection port, creating a clean and easy installation and replacement. Packaged in pre-cleaned glass screw top jar for high purity.

INJECTION PORT SEPTA

- Bleed Temperature Optimized (BTO) Septa: 400 °C maximum temperature
- PerkinElmer Green Injection Port Septa: 350 °C maximum temperature
- Merlin MicroSeal™ Septa: 325 °C maximum temperature limit



Injection Port Septa

Description	Size	Pack	PerkinElmer Part No.	Similar to Agilent® Part No.
Bleed Temperature Optimized (BTO) Orange Septa	11 mm	50/pack	N9302972	5183-4757
PerkinElmer Advanced Green Septa	11 mm	50/pack	N9306219	5183-4759
Merlin MicroSeal Septa	11 mm	each	N9303345	5181-8815
Merlin MicroSeal Adapter Kit	11 mm	each	N9303344	5181-8833

Moisture, oxygen, and other trace contaminants found in carrier or make-up gases can greatly affect your analysis and instrument performance. They can cause ghost peaks and degrade your column. Gas filters and traps can remove up to 99.9999% of these unwanted contaminants, increasing the life of your column life and decreasing stationary phase bleed. Look to PerkinElmer's wide range of filters and traps to ensure your gas quality is pure and your GC is protected.

ADVANCED FILTERS SYSTEMS

- Systems contain a manifold, mounting hardware and filter cartridge
- High capacity and efficiency levels for oxygen, water and hydrocarbons
- Two indicators for both oxygen and moisture
- Easy cartridge replacement with on/off knob
- Double seal construction for safety
- Check valves protect your gas lines during cartridge replacement



Description	PerkinElmer Part No.	Similar to Agilent® Part No.
Advanced Filter System with Manifold, Mounting Hardware and Filter Cartridge	N9303963	G3440-6004
Replacement Cartridge	N9303964	G3440-6003
Manifold and Mounting Hardware	N9306139	G3440-80007

SPOTLIGHT ON BETTER MEASUREMENTS

High-Purity Dual Stage Pressure Regulator (09907127 or 09907128):
Pressure regulators are used to regulate your gas tank supply and control both carrier and detector gases in your Agilent® GC. A dual stage regulator can ensure retention time, reproducibility and stable detector performance. These dual regulators are constructed of high-purity brass barstock and have stainless steel diaphragms with metal-to-metal seals. They are suitable for use with high-purity non-corrosive gases.



THREE-CARTRIDGE GAS PURIFICATION SYSTEM

- High capacity contaminant removal with three individual stainless steel cartridges
- Cartridge replacement is recommended after processing 19 cylinders of 8 m3 high purity gas (99.997%).
- Manifold and wall bracket for mounting available



Description	PerkinElmer Part No.	Similar to Agilent® Part No.
Three-Cartridge Gas Purification System	N9306135	-
Three-Cartridge Set - Gas Purification Replacement Cartridges	N9306136	-
Moisture Replacement Cartridge	N9306137	-
Hydrocarbon Replacement Cartridge	N9306138	-
Oxygen High Capacity Replacement Cartridge	N9306004	-
Manifold	N9306140	-
Mounting Hardware for Bench or Wall	N9306014	-

SPOTLIGHT ON BETTER MEASUREMENTS



Portable Gas Leak Detector (N9306089): The new PerkinElmer compact handheld electronic gas leak detector is the ideal solution for detecting gas leaks in your Agilent® GC system. Leaks in your system waste gas and can cause detector noise, baseline instability, and shorter column life. This portable unit detects minute leaks of any gas with thermal conductivity different from reference air. The reference gas inlet draws in ambient air for comparison to air drawn into the sample probe. A leak is detected by both LED bar graph display and audible alarm.

ULTRA-CLEAN FILTERS

- High-purity output ensures 99.9999% pure gas
- "Quick connect" fittings for easy, leak-tight cartridge changes
- Glass interior to prevent diffusion; plastic exterior for safety
- Easy-to-read indicators



Ultra Clean Filter Base Plates

Description	Size	PerkinElmer Part No.	Similar to Agilent® Part No.
1 Filter Position Base Plate	1/4" Brass	N9306800	-
	1/8" Brass	N9306801	5182-0815
	1/4" Stainless Steel	N9306802	-
	1/8" Stainless Steel	N9306803	-
2 Filter Position Base Plate	1/4" Brass	N9306804	-
	1/8" Brass	N9306805	5182-9706
	1/4" Stainless Steel	N9306806	-
	1/8" Stainless Steel	N9306807	-
2 Filter Position Base Plate - High Flow Filters	1/4" Brass	N9306808	-
	1/4" Stainless Steel	N9306809	-
3 Filter Position Base Plate	1/4" Brass	N9306810	-
	1/8" Brass	N9306811	5182-9707
	1/4" Stainless Steel	N9306812	-
	1/8" Stainless Steel	N9306813	-

Ultra Clean Filter Replacement Cartridges

Description	PerkinElmer Part No.	Similar to Agilent® Part No.
Moisture Filter	N9306814	5182-0817
Oxygen Filter	N9306815	5182-0818
Hydrocarbon Filter	N9306816	5182-0820
Hydrocarbon Filter with AT Indicator	N9306817	-
Moisture-Hydrocarbon Comb Filter	N9306818	5183-4771
Triple Filter for Oxygen, Moisture, and Hydrocarbon adsorbents	N9306819	5182-9705
Triple Helium Filter (1 triple filter for Oxygen, Moisture, and Hydrocarbon adsorbents, conditioned with Helium)	N9306820	5188-6474
Triple AT Filter (1 triple filter for Oxygen, Moisture, and Hydrocarbon adsorbents with AT indicator)	N9306821	-
Triple Hydrocarbon Filter (1 triple filter for Oxygen, Moisture and Hydrocarbon, conditioned with Hydrogen)	N9306822	-

Ultra Clean Filter Cartridge Kits

Description	Size	PerkinElmer Part No.	Similar to Agilent® Part No.
Triple Filter Kit (includes 1 position base plate, 1 triple filter for Oxygen, Moisture, and Hydrocarbon adsorbents)	1/4" Brass	N9306828	-
	1/8" Brass	N9306829	5182-9704
	1/4" Stainless Steel	N9306830	-
	1/8" Stainless Steel	N9306831	-
Triple Helium Filter Kit (includes 1 position base plate, 1 triple filter for Oxygen, Moisture, and Hydrocarbon adsorbents, conditioned with Helium)	1/4" Brass	N9306832	-
	1/8" Brass	N9306833	5188-6475
	1/4" Stainless Steel	N9306834	-
	1/8" Stainless Steel	N9306835	-
Triple Hydrocarbon Filter Kit (includes 1 position base plate, 1 triple filter for Oxygen, Moisture and Hydrocarbon, conditioned with Hydrogen)	1/4" Brass	N9306836	-
	1/8" Brass	N9306837	-
	1/4" Stainless Steel	N9306838	-
	1/8" Stainless Steel	N9306839	-
High Flow Hydrocarbon Filter Kit (includes 1 2-position high flow base plate, 2 high flow hydrocarbon filters)	1/4" Brass 1/4" Stainless Steel	N9306840 N9306841	- -
3 Filter Kit (includes 1 triple filter, 2 comi filters, 3 position base plate)	1/4" Brass	N9306842	-
	1/8" Brass	N9306843	5182-9703
	1/4" Stainless Steel	N9306844	-
	1/8" Stainless Steel	N9306845	-

Ultra Clean Filter Cartridge - Bundles

Description	PerkinElmer Part No.	Similar to Agilent® Part No.
High Flow Hydrocarbon Filter Bundle (contains 2 high flow filters)	N9306823	-
High Flow Moisture Filter Bundle (contains 2 high flow filters)	N9306824	-
High Flow Hydrocarbon AT Filter Bundle (contains 1 high flow filters)	N9306825	
Ultra Clean Filter Bundle of 3 (contains 1 Triple filter, 2 Combination filters)	N9306826	5183-4769
Ultra Clean Filter Bundle of 4 (contains 1 Oxygen filter, 1 Moisture filter, 2 Hydrocarbon filters)	N9306827	5183-4770

Ultra Clean Filter Accessories

Description	Size	PerkinElmer Part No.	Similar to Agilent® Part No.
Wall-mounting Bracket Set		N9306855	5182-0821
0.5 Micron Particle Filter (1/4" Brass)	1/4" Brass	N9306856	-
0.5 Micron Particle Cup Filter Pack of 12		N9306857	-
Base Plate O-ring Replacement Set (2 sets of 10 o-rings)		N9306854	-
Connector Set - 3 sets of 2 connectos (in and out) for BasePlate	1/4" Brass	N9306846	-
	1/8" Brass	N9306847	-
	1/4" Stainless Steel	N9306848	-
	1/8" Stainless Steel	N9306849	-
High Flow Connector Set - 3 sets of 2 connectos (in and out) for BasePlate	1/4" Brass	N9306850	-
	1/4" Stainless Steel	N9306851	-
Flush Cap Replacement Set of 2		N9306852	-
High Flow Flush Cap Replacement Set of 2		N9306853	-

CLICK-ON INLINE SUPER CLEAN GAS PURIFIERS AND KITS

- Stainless steel body with either brass or stainless steel compression fittings
- Designed for reconditioning; economical and environmentally responsible
- Constructed with a dual seal design - glass inner tube is protected by a sealed outer plastic tube providing you with a gas system that is fully protected.



Click-On Inline Super Clean Gas Purifiers

Description	PerkinElmer Part No.	Similar to Agilent® Part No.
Moisture Trap	N9306100	-
Oxygen Trap	N9306101	-
Hydrocarbon Trap	N9306102	-
Combination: Oxygen / Moisture Trap	N9306103	-
Combination: Moisture / Hydrocarbon Trap	N9306105	-
Triple: Oxygen / Moisture / Hydrocarbon Trap	N9306104	-
Triple Gas Specific (He): Oxygen / Moisture / Hydrocarbon Trap	N9306106	-
Indicating Triple Gas Specific (He): Oxygen / Moisture / Hydrocarbon Trap	N9306107	-
Indicating Triple Gas Specific (He): Oxygen / Moisture / Hydrocarbon Trap with two 1/8" Brass Connectors	N9306114	-
Indicating Triple Gas Specific (He): Oxygen / Moisture / Hydrocarbon Trap with two 1/8" Stainless Steel Connectors	N9306116	-

Click-On Inline Super Clean Kits

Description	PerkinElmer Part No.	Similar to Agilent® Part No.
Combination: Oxygen / Moisture Trap with two 1/8" Brass Connectors	N9306108	-
Combination: Oxygen / Moisture Trap with two 1/8" Stainless Steel Connectors	N9306109	-
Combination: Moisture / Hydrocarbon Trap with two 1/8" Brass Connectors	N9306117	-
Combination: Moisture / Hydrocarbon Trap with two 1/8" Stainless Steel Connectors	N9306118	-
Triple: Oxygen / Moisture / Hydrocarbon Trap with two 1/8" Brass Connectors	N9306110	-
Triple: Oxygen / Moisture / Hydrocarbon Trap with two 1/8" Stainless Steel Connectors	N9306111	-
Triple Gas Specific (He): Oxygen / Moisture / Hydrocarbon Trap with two 1/8" Brass Connectors	N9306112	-
Triple Gas Specific (He): Oxygen / Moisture / Hydrocarbon Trap with two 1/8" Stainless Steel Connectors	N9306113	-

Click-On Filter Accessories

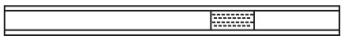
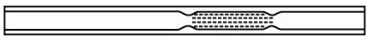
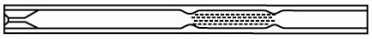
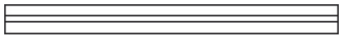
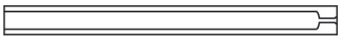
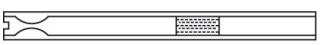
Description	PerkinElmer Part No.	Similar to Agilent® Part No.
Brass Connector (pair of 2) - 1/4"	N9306132	-
Brass Connector (pair of 2) - 1/8"	N9306119	-
Stainless Steel Connector (pair of 2) - 1/4"	N9306133	-
Stainless Steel Connector (pair of 2) - 1/8"	N9306120	-
Stainless Steel Connector Double Version (1 unit)	N9306121	-
O-ring for Connector (10 pieces)	N9306123	-
Wallmounting Clamp (4 pieces)	N9306122	-

Inlet liners for split injection have mixing chambers with tortuous flow paths to allow full vaporization of the sample. Deactivating the surface of these liners prevents active compounds from degrading. Packing the liner with wool will trap non-volatile residue and prevent column contamination when analyzing dirty samples. These new high quality and economical liners have been specially developed for Agilent® gas chromatographs. The liners are pre-packed with deactivated glass wool to ensure optimum sample flow path and inertness to deliver excellent performance even with critical applications.

LINERS

- Increase accuracy and reproducibility
- Achieve lower detection limits
- Achieve excellent performance even with critical applications

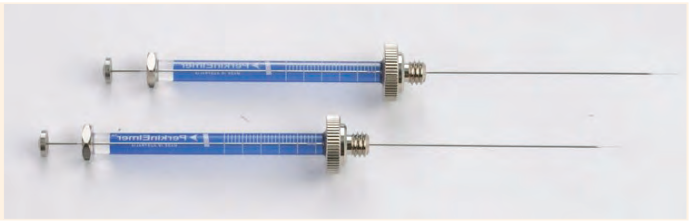
Liners

Description	Length (mm)	ID (mm)	OD (mm)	Manufacturer and Model	PerkinElmer Part No.	Similar to Agilent® Part No.
 Spilt, with Quartz Wool (pkg. 5)	78.5	4.0	6.3	Agilent® 7890, 6890, 6850, 5890, 4890 (also fits Varian® 1177)	Z51903164S	5190-3164
 Split / Splitless FocusLiner (pkg. 5)	78.5	4.0	6.3	Agilent® 7890, 6890, 6850, 5890, 4890 (also fits Varian® 1177)	Z21040045S	210-4004-5
 Split / Splitless Tapered FocusLiner (pkg. 5)	78.5	4.0	6.3	Agilent® 7890, 6890, 6850, 5890, 4890 (also fits Varian® 1177)	Z21040225S	210-4022-5
 1.2mm ID Direct, Straight-Through Liner (pkg. 5)	78.5	1.2	6.3	Agilent® 7890, 6890, 6850, 5890, 4890 (also fits Varian® 1177)	Z51834709S	5183-4709
 Split / Splitless with Single Taper (pkg. 5)	78.5	4.0	6.3	Agilent® 7890, 6890, 6850, 5890, 4890 (also fits Varian® 1177)	Z51834695S	5183-4695
 Split / Splitless with Single Taper and Quartz Wool (pkg. 5)	78.5	4.0	6.3	Agilent® 7890, 6890, 6850, 5890, 4890 (also fits Varian® 1177)	Z51834693S	5183-4693
 Split with Quartz Wool (pkg. 5)	74	4.0	6.3	Varian® 1075/1077	ZSG092021S	SG092021

The correct syringe is critical to ensure proper fit and operation within the instrument. Syringes must ensure a tight and secure fit in the injection port and withstand repeated injection cycles without bending or breaking. It is critical for syringes to deliver accurate and precise volumes with no dead volume or carryover between injections. We offer a variety of fixed and removable needles. Each syringe is individually inspected for accuracy and performance.

SYRINGES

- Can withstand repeatable injections
- Variety of fixed and removeable needles
- Inspected to ensure accuracy and performance



Autosampler Syringes For Agilent® GC Autosampler Models 7673, 7693A and 6850ALS

Syringe Vol	Plunger Type	Fixed Needle/ Removeable Needle	Needle Gauge	Needle Length	Needle Tip	Pack Size	PerkinElmer Part No.	Similar to Agilent® Part No.
0.5 µL	Plunger in Needle	RN	23 g (0.63 mm)	42 mm	Cone	1	ZG4513802295	G4513-80229
1 µL	Plunger in Needle	RN	23 g (0.63 mm)	42 mm	Cone	1	ZG4513802155	G4513-80215
5 µL	Metal	FN	26 g (0.47 mm)	42 mm	Cone	1	Z930108925	9301-0892
5 µL	Metal	FN	23 g (0.63 mm)	42 mm	Cone	1	Z930108915	9301-0891
5 µL	Metal	FN	23-26 g (0.47-0.63 mm)	42 mm	Cone	1	Z518112735	5181-1273
10 µL	Metal	FN	26 g (0.47 mm)	42 mm	Cone	1	Z930107145	9301-0714
10 µL	Metal	FN	23 g (0.63 mm)	42 mm	Cone	1	Z930107135	9301-0713
10 µL	GT	FN	23 g (0.63 mm)	42 mm	Cone	1	Z518188095	5181-8809
10 µL	Metal	FN	23-26 g (0.47-0.63 mm)	42 mm	Cone	1	Z518112675	5181-1267
10 µL	Metal	FN	23-26 g (0.47-0.63 mm)	42 mm	Cone	6	Z518133605	5181-3360

Manual Syringes

Syringe Vol	Plunger Type	Fixed Needle/ Removeable Needle	Needle Gauge	Needle Length	Needle Tip	Pack Size	PerkinElmer Part No.	Similar to Agilent® Part No.
0.5 µL	Plunger in Needle	RN	26 g	70 mm	Bevel	1	N9302231	5190-1460
1 µL	Plunger in Needle	RN	26 g	70 mm	Cone	1	00230111	5190-1463
1 µL	Plunger in Needle	RN	23 g	70 mm	Cone	1	00230177	5190-1464
2 µL	Plunger in Needle	RN	23 g	70 mm	Bevel	1	N9302235	5190-1472
5 µL	Plunger in Needle	RN	23 g	70 mm	Cone	1	00230178	5190-1475
10 µL	Plunger in Needle	FN	23 g	50 mm	Bevel	1	00230113	5190-1483
10 µL	Plunger in Needle	FN	22 g	51 mm	LC	1	N9302241	5190-1484
25 µL	Plunger in Needle	FN	22 g	51 mm	LC	1	09904823	5190-1494
50 µL	Plunger in Needle	FN	22 g	51 mm	LC	1	09904941	5190-1501
100 µL	Plunger in Needle	FN	22 g	51 mm	LC	1	09904822	5190-1508

Our vials, caps and septa are made from the finest materials to ensure you experience accurate and dependable measurements. Our vials are made from Type 1 Borosilicate glass, which conforms to all USP, JP and EP requirements. They have high-temperature tolerance and excellent chemical resistance to acidic, neutral and alkali solutions. Our caps and septa are available in a wide variety of sizes and materials. Regardless of your sample type or analysis temperature, we have pre-assembled or un-assembled options to choose from.

GC VIALS, CAPS AND SEPTA

- Wide variety of crimp, screw, and snap cap options available
- Manufactured from top quality material to ensure accurate dependable measurements
- Quality control using camera gauging to ensure end products meet specifications



GC Vials

Volume	Size	Type	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
2 mL	8 mm	Screw	Clear Vial - Standard Opening	100	N9302945	5183-4428
2 mL	9 mm	Screw	Clear Vial - Wide Opening	100	N9306201	5182-0714
2 mL	9 mm	Screw	Clear Vial with Write-on Spot - Wide Opening	100	N9307801	5182-0715
2 mL	9 mm	Screw	Amber Vial - Wide Opening	100	N9306220	5188-6535
2 mL	9 mm	Screw	Amber Vial with Write-one Spot - Wide Opening	100	N9307802	5182-0716
2 mL	10 mm	Screw	Clear Vial with White "P" Icon and Write-on Spot - Wide Opening	100	N9306053	-
2 mL	10 mm	Screw	Amber Vial with White "P" Icon and Write-on Spot - Wide Opening	100	N9306057	-
2 mL	11 mm	Crimp	Clear Vial - Standard Opening	100	N9301385	5181-3375 or 5182-0538
2 mL	11 mm	Crimp	Clear Vial with Write-on Spot - Wide Opening	100	N9306223	5182-0543
2 mL	11 mm	Crimp	Amber Vial with Write-on Spot - Wide Opening	100	N9302679	5181-3376
2 mL	11 mm	Snap	Clear Vial	100	N9303418	5182-0544
2 mL	11 mm	Snap	Clear Vial with Write-on Spot	100	N9306207	5182-0546
2 mL	11 mm	Snap	Amber Vial with Write-on Spot	100	N9306208	5182-0545
4 mL	13 mm	Screw	Clear with White "P" Icon	100	N9306247	5183-4448

GC Vial Inserts

Volume	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
150 µL	5 mm x 29 mm Clear Glass Insert RimLess Pulled Point with Bottom Spring - Standard Opening Vials	100	N9300705	5183-2088
200 µL	5 mm x 31 mm Clear Glass Flat Bottom Insert - Standard Opening Vials	100	N9300706	5183-2090
250 µL	6 mm x 29 mm Clear Glass Insert RimLess Pulled Point with Bottom Spring - Wide Opening Vials	100	N9300703	5181-1270
400 µL	6 mm x 31 mm Clear Glass Flat Bottom Insert - Wide Opening Vials	100	N9300704	5183-2086

GC Vials with Inserts

Volume	Size	Type	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
2 mL	8 mm	Screw	Clear Vial with 100 µL usable volume - Standard Opening	100	N9300713	-
2 mL	8 mm	Screw	Ambe Vial with 100 µL usable volume - Standard Opening	100	N9300714	-
2 mL	9 mm	Screw	Clear Vial with 300 µL usable volume - Large Opening	100	N9300715	-
2 mL	9 mm	Screw	Amber Vial with 300 µL usable volume - Large Opening	100	N9300716	-
2 mL	10 mm	Screw	Clear Vial with 300 µL usable volume - Large Opening	100	N9300717	-
2 mL	10 mm	Screw	Amber Vial with 300 µL usable volume - Large Opening	100	N9300718	-
2 mL	11 mm	Crimp	Clear Vial with 300 µL usable volume - Large Opening	100	N9300709	-
2 mL	11 mm	Crimp	Amber Vial with 300 µL usable volume - Large Opening	100	N9300710	-
2 mL	11 mm	Snap	Clear Vial with 300 µL usable volume - Large Opening	100	N9300711	5188-6593
2 mL	11 mm	Snap	Amber Vial with 300 µL usable volume - Large Opening	100	N9300712	5188-6594

GC Caps and Septa

Volume	Size	Type	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
2 mL	9 mm	Screw	Blue Cap with Pre-Slit PTFE/White Silicone Septum	100	N9306203	5183-2076
2 mL	9 mm	Screw	Blue Cap with PTFE/White Silicone Septum	100	N9306202	5182-0720
2 mL	11 mm	Crimp	Blue Aluminum Cap with PTFE/Red Rubber Septum	100	N9302686	5181-1215
2 mL	11 mm	Crimp	Green Aluminum Cap with PTFE/Red Rubber Septum	100	N9302684	5181-1216
2 mL	11 mm	Crimp	Red Aluminum Cap with PTFE/Red Rubber Septum	100	N9302685	5181-1217
2 mL	11 mm	Crimp	Silver Cap with PTFE/Red Rubber Septa	100	N9306015	5181-1210
2 mL	11 mm	Snap	Clear Cap with PTFE/Silicone Septa	100	N9303419	5182-0550
2 mL	11 mm	Snap	Clear Cap with Pre-slit PTFE/Silicone Septa	100	N9303416	5183-4511
2 mL	11 mm	Snap	Clear Cap with Pre-slit PTFE/Silicone/PTFE Septa	100	N9303417	5182-0566

HEADSPACE VIALS, CAPS, AND SEPTA

- PerkinElmer is the leader in Headspace instrumentation, consumables and supplies
- Our vials are manufactured from Type I Borosilicate Glass meeting all USP, JP, and EP requirements
- Our vials have very low coefficient of expansion, making them excellent at high temperatures
- Quality control for our septa is performed using gas chromatography, resulting in septa which may be certified for higher purity grades



Headspace Kits

Volume	Size	Type	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
20 mL	20 mm	Crimp	Headspace Kit: PTFE / Silicone Low Bleed Septa, Aluminum Cap with Vial	1	N9300901	-
			23 X 75 mm Headspace Vials with Write-on Spot and Fill Lines - Flat Bottom	1000	N9303352	5182-0837
			Headspace Cap with Septa - Silver Aluminum PTFE/Silicone Septa	1000	N9302976	-
20 mL	20 mm	Crimp	Headspace Kit: PTFE / Silicone Ultra Low Bleed Septa, Aluminum Cap with Vial	1	N9300902	5182-0840
			23 X 75 mm Headspace Vials with Write-on Spot and Fill Lines - Flat Bottom	1000	N9303352	5182-0837
			Headspace Cap with Septa - Silver Aluminum PTFE/Silicone Septa	1000	N9302977	5183-4477
20 mL	20 mm	Crimp	Headspace Kit: PTFE / Silicone Ultra Low Bleed Septa, Aluminum Cap with Safety Feature and Vial	1	N9300903	-
			23 X 75 mm Headspace Vials with Write-on Spot and Fill Lines - Flat Bottom	1000	N9303352	5182-0837
			Headspace Cap with Septa - Silver Aluminum with Safety Feature PTFE/Silicone Septa	1000	N9302975	5183-4478

Headspace Vials

Volume	Size	Type	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
6 mL	20 mm	Crimp	Clear Headspace Vials - Flat Bottom	100	N9302134	9301-1419
10 mL	20 mm	Crimp	23 x 46 mm Clear Headspace Vials - Rounded Bottom	100	N6356478	5183-4475
10 mL	20 mm	Screw	23 x 46 mm Clear Headspace Vials	100	N6356479	5188-5392
20 mL	20 mm	Screw	23 x 75 mm Clear Headspace Vials	100	N9306075	5188-2753
20 mL	20 mm	Crimp	23 X 75 mm Headspace Vials with Write-On Spot and Fill Lines - Rounded Bottom	1000	N9303348	5182-4474
20 mL	20 mm	Crimp	23 X 75 mm Headspace Vials with Write-on Spot and Fill Lines - Flat Bottom	1000	N9303352	5182-0837
22 mL	20 mm	Crimp	23 X 75 mm Clear Headspace Vials - Rounded Bottom	100	N9306079	-
22 mL	20 mm	Crimp	23 X 75 mm Clear Headspace Vials - Rounded Bottom	1000	N9306216	-
22 mL	20 mm	Crimp	23 X 75 mm Headspace Vials with Write-On Spot and Fill Lines - Rounded Bottom	100	N9303349	-
22 mL	20 mm	Crimp	23 X 75 mm Headspace Vials with Write-on Spot and Fill Lines - Rounded Bottom	1000	N9303351	-
22 mL	20 mm	Screw	23 X 75 mm Headspace Vials with Write-On Spot and Fill Lines	100	N9306240	-
22 mL	20 mm	Screw	23 X 75 mm Headspace Vials with Write-On Spot and Fill Lines	1000	N9306241	-

Headspace Caps and Septa

Volume	Size	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
20 mm	Crimp	Headspace Cap with Septa - Silver Aluminum PTFE/Silicone Septa (Ultra Low Bleed)	1000	N9302977	5183-4477
20 mm	Crimp	Headspace Cap with Septa - Silver Aluminum with Safety Feature PTFE/Silicone Septa (Ultra Low Bleed)	1000	N9302975	5183-4478
20 mm	Crimp	Headspace Cap with Septa - Silver Aluminum PTFE/Silicone Septa (Low Bleed)	1000	N9302976	-

Headspace Caps and Septa (70 p.s.i rated) Exclusive to PerkinElmer

Volume	Type	Description	Pkg.	PerkinElmer Part No.	Similar to Agilent® Part No.
20 mm	Crimp	Red PTFE-Coated Butyl Rubber, Pre-assembled Cap/Septa/Spring	1000	B4000025	-
20 mm	Crimp	Red PTFE-Coated Butyl Rubber, Unassembled Cap/Septa/Spring	1000	B0104240	-
20 mm	Crimp	Aluminum-Coated Silicone, Pre-assembled Cap/Septa/Spring	1000	B4000028	-
20 mm	Crimp	Aluminum-Coated Silicone, Unassembled Cap/Septa/Spring	100	B0104243	-
20 mm	Crimp	Aluminum-Coated Silicone, Unassembled Cap/Septa/Spring	1000	B0104244	-
20 mm	Crimp	PTFE-Coated Silicone, Pre-assembled Cap/Septa/Spring	1000	B4000022	-
20 mm	Crimp	PTFE-Coated Silicone, Unassembled Cap/Septa/Spring	100	B0104241	-
20 mm	Crimp	PTFE-Coated Silicone, Unassembled Cap/Septa/Spring	1000	B0104242	-
20 mm	Crimp	Gray Butyl/PTFE, Pre-assembled Cap/Septa/Spring	1000	N9306264	-
20 mm	Crimp	Gray PTFE/Butyl, Unassembled Cap/Septa/Spring	100	N9306266	-
20 mm	Crimp	Gray PTFE/Butyl, Unassembled Cap/Septa/Spring	1000	N9306267	-
20 mm	Crimp	Gray Butyl, Pre-assembled Cap/Septa/Spring	1000	N9306268	-
20 mm	Crimp	Gray Butyl, Unassembled Cap/Septa/Spring	100	N9306270	-
20 mm	Crimp	Gray Butyl, Unassembled Cap/Septa/Spring	1000	N9306271	-
20 mm	Crimp	PTFE/Red Rubber Septa, Pre-assembled Cap/Septa/Spring	1000	N9302978	-
20 mm	Crimp	PTFE/Red Rubber Septa, Unassembled Cap/Septa/Spring	100	N9302979	-
20 mm	Crimp	PTFE/Red Rubber Septa, Unassembled Cap/Septa/Spring	1000	N9302980	-



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