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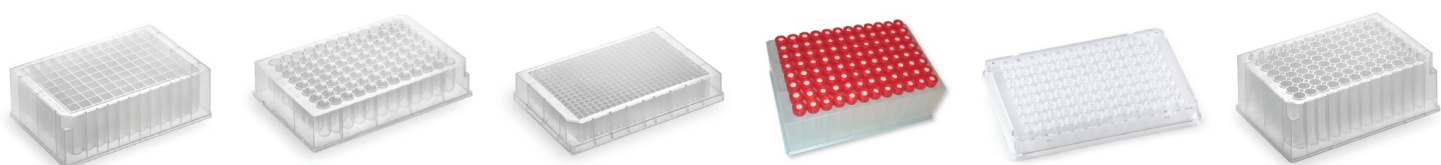
Agilent InfinityLab well plates and sealing mats for liquid chromatography applications

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Seamlessly Transfer Samples from Automated Processes to HPLC and LC/MS Instruments

Choosing the right well plates can help you avoid pitfalls like missed data points, sample rerun, and failure to meet project deadlines. Agilent InfinityLab well plates can help you produce the highest-quality data for your most common HPLC challenges.

Our comprehensive portfolio:

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– Fits perfectly into your complete InfinityLab workflow for maximum efficiency.

– Includes compatible, preslit silicone sealing mats that prevent sample evaporation and cross-contamination.

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100% Polypropylene Well Plates

Part number **5043-9300**

- InfinityLab 96-deep-well plate
- 2.2 mL, square wells
- U shape
- 41 mm height

This plate was designed for diverse chromatography applications and is ideal for sample collection and storage.

Description	Specifications
Well side length	8.2 mm
Well volume	2,200 µL
Well working volume	1,980 µL
Well depth	38 mm
Plate height	41.2 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, human genomic DNA, and endotoxins
Stackable	Yes
Pack size	30
Compatible sealing mat	5043-9319
Agilent instrument definition file	A_5043-9360_96_2.2mL

Features:

- Clear and flat for uniform sealing
- Made from the highest medical-grade virgin polypropylene
- Very low biomolecular binding characteristics
- High temperature tolerance: −80 °C to 120 °C
- Resistance to many standard laboratory chemicals and solvents

100% Polypropylene Well Plates

Part number 5043-9302

– InfinityLab 96-deep-well plate
– 2.0 mL, round wells
– U shape
– 45 mm height

Choose this multipurpose plate for chromatography applications, sample collection, and storage.

Description	Specifications
Well diameter	8.5 mm
Well volume	2,000 µL
Well working volume	1,700 µL
Well depth	42 mm
Plate height	45.3 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, human genomic DNA, and endotoxins
Stackable	Yes
Pack size	30
Compatible sealing mats	5043-9317, 5043-9318, 5042-1389
Agilent instrument definition file	A_5043-9361_96_2.0mL

Features:

– Clear and flat for uniform sealing
– Made from the highest medical-grade virgin polypropylene
– Very low biomolecular binding characteristics
– High temperature tolerance: −80 °C to 120 °C
– Resistance to many standard laboratory chemicals and solvents

Part number **5043-9308**
5043-9309

– InfinityLab 96-deep-well plate
– 1.2 mL, round wells
– U shape
– 27 mm height

Use this plate for many chromatography applications, including sample collection and storage. It is ideal for washing, mixing, and pelleting, and can serve as a collection plate for filter systems.

Description	Specifications
Well diameter	8.3 mm
Well volume	1,200 µL
Well working volume	1,000 µL
Well depth	24 mm
Plate height	27.2 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, human genomic DNA, and endotoxins
Stackable	Yes
Pack size	25 (p/n 5043-9308) 50 (p/n 5043-9309)
Compatible sealing mats	5043-9317, 5043-9318, 5042-1389
Agilent instrument definition file	A_5043-9363_96_1.2mL

Features:

– Clear and flat for uniform sealing
– Made from the highest medical-grade virgin polypropylene
– Very low biomolecular binding characteristics
– High temperature tolerance: −80 °C to 120 °C
– Resistance to many standard laboratory chemicals and solvents

100% Polypropylene Well Plates

Part number **5043-9312**
5043-9313
5043-9314

- InfinityLab 96-well plate
- 0.33 mL, round wells
- V shape
- 14 mm height

This plate was designed for many chromatography applications and for sample collection, storage, precipitation, and centrifugation. V-shaped bottoms provide excellent small-volume recovery with autosamplers.

Description	Specifications
Well diameter	8.5 mm
Well volume	330 µL
Well working volume	300 µL
Well depth	11 mm
Plate height	14.4 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, human genomic DNA, and endotoxins
Stackable	Yes
Pack size	25 (p/n 5043-9312)
	50 (p/n 5043-9313)
	100 (p/n 5043-9314)
Compatible sealing mat	5042-1389
Agilent instrument definition file	A_5043-9365_96_0.33mL

Features:

- Clear and flat for uniform sealing
- Made from the highest medical-grade virgin polypropylene
- Very low biomolecular binding characteristics
- High temperature tolerance: −80 °C to 120 °C
- Resistance to many standard laboratory chemicals and solvents

Part number **5043-9310**
            5043-9311

- InfinityLab 96-well plate
- 0.5 mL, round wells
- U shape
- 14 mm height

Designed for chromatography, this plate is ideal for sample collection and storage. A round U-shaped bottom provides excellent mixing properties and small-volume recovery with autosamplers.

Description	Specifications
Well diameter	8.5 mm
Well volume	500 µL
Well working volume	450 µL
Well depth	11 mm
Plate height	14.5 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase and DNase
Stackable	Yes
Pack size	30 (p/n 5043-9310) 120 (p/n 5043-9311)
Compatible sealing mats	5042-1389
Agilent instrument definition file	A_5043-9364_96_0.5mL

Features:

- Clear and flat for uniform sealing
- Made from the highest medical-grade virgin polypropylene
- Very low biomolecular binding characteristics
- High temperature tolerance: −80 °C to 120 °C
- Resistance to many standard laboratory chemicals and solvents

100% Polypropylene Well Plates

Part number **5043-9305**

- – InfinityLab 96-deep-well plate
- – 1.0 mL, round wells
- – U shape
- – 32 mm height

This plate is suitable for many chromatography applications and for sample collection and storage. A round U-shaped bottom provides excellent mixing properties and small-volume recovery with autosamplers.

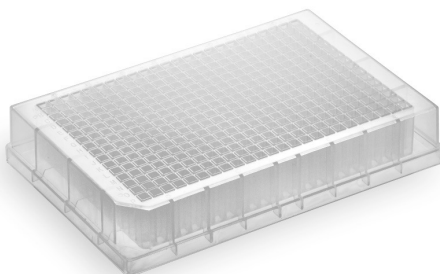| Description	Specifications
Well diameter	8.4 mm
Well volume	1,300 µL
Well working volume	1,000 µL
Well depth	29 mm
Plate height	31.6 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase and DNase
Stackable	Yes
Pack size	50
Compatible sealing mats	5043-9317, 5043-9318, 5042-1389
Agilent instrument definition file	A_5043-9362_96_1.0mL

Features:

- – Clear and flat for uniform sealing
- – Made from the highest medical-grade virgin polypropylene
- – Very low biomolecular binding characteristics
- – High temperature tolerance: −80 °C to 120 °C
- – Resistance to many standard laboratory chemicals and solvents

Part number **5043-9315**

- – InfinityLab high-throughput 384-well plate
- – 0.19 mL, square wells
- – V shape
- – 22 mm height

Designed for high-density chromatography sample collection, this plate features V-shaped bottoms that provide excellent small-volume recovery with autosamplers.

Description	Specifications
Well side length	3.5 mm
Well volume	190 µL
Well working volume	170 µL
Well depth	19 mm
Plate height	22 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	4.5 mm
Column distance	4.5 mm
Row offset	9.0 mm
Column offset	12.1 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, human genomic DNA, and endotoxins
Stackable	Yes
Pack size	25
Compatible sealing mat	5043-9320
Agilent instrument definition file	A_5043-9366_384_0.19mL

Features:

- – Clear and flat for uniform sealing
- – Made from the highest medical-grade virgin polypropylene
- – Very low biomolecular binding characteristics
- – High temperature tolerance: −80 °C to 120 °C
- – Resistance to many standard laboratory chemicals and solvents

Polypropylene-Blend Well Plates

Part number **5042-8502**

- 96-well plate
- 150 µL, round wells
- Conical
- Polypropylene/polycarbonate
- 16 mm height

This plate was designed for sample collection and storage for many chromatography applications as well as the automated electrophoresis Agilent TapeStation System.

Description	Specifications
Well diameter	6.4 mm
Well volume	150 µL
Well working volume	120 µL
Well depth	14.0 mm
Plate height	15.9 mm
Plate width	85.5 mm
Plate length	127.8 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase and DNase
Stackable	Yes
Pack size	25
Compatible sealing mat	5067-5154 (Not recommended for chromatography autosamplers)
Agilent instrument definition file	NA

Features:

- Clear
- Made from polypropylene (wells) and polycarbonate (frame)
- Very low biomolecular binding characteristics
- High temperature tolerance: −80 °C to 120 °C
- Resistance to many standard laboratory chemicals and solvents
- Suitable for chromatography and Agilent 4200 TapeStation System

Part number **5065-4402**

- 96-well plate with glass inserts
- 350 µL, round wells
- Conical
- Polypropylene/glass
- 48 mm height

This plate combines the advantages of a glass surface and an SBS footprint for high-throughput chromatography applications. The preslit PTFE/silicone snap cap prevents sample evaporation and cross-contamination.

Description	Specifications
Well diameter	7 mm (9 mm cap)
Well volume	410 µL
Well working volume	350 µL
Well depth	42 mm
Plate height	48 mm
Plate width	85 mm
Plate length	127 mm
Row distance	9 mm
Column distance	9 mm
Row offset	11.2 mm
Column offset	14.4 mm
Frame footprint	SBS
Frame numbering	Alphanumeric
Skirted	Yes
Color	Clear
Sterile	Nonsterile
Stackable	No
Pack size	1
Compatible closing cap Compatible insert	5188-5322 5188-5321
Agilent instrument definition file	96CappedAgilent

Features:

- Made from polypropylene (well plate) and clear glass (insert)
- Polar glass surface
- Resistance to many standard laboratory chemicals and solvents

Sealing Mats and Accessories

Part number **5042-1389**

- – InfinityLab sealing mat, 96 wells
- – Round
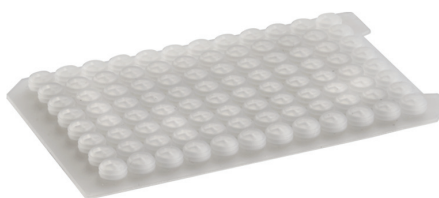- – Preslit
- – Silicone
- – Flat dome

Clear-cap silicone mats are ideal for sealing storage and sample well plates, and for protecting samples from evaporation and cross-contamination. They withstand high temperatures and show excellent chemical resistance.

Description	Specifications
Well size	8.6 mm
Slit	Pierceable, straight-slit
Dome volume	~129 µL
Dome height/depth	2.2 mm
Mat width	80.6 mm
Mat length	123.0 mm
Frame numbering	Yes
Color	Opaque
Temperature range	Up to 121 °C (not recommended for freezing applications)
Autoclavable	Yes
Sterile	Nonsterile
Pack size	50
Compatible well plates	5043-9310, 5043-9311, 5043-9312, 5043-9313, 5043-9314

Part number **5043-9317**, **5043-9318**

- – InfinityLab deep-well sealing mat, 96 wells
- – Round
- – Preslit
- – Silicone
- – Truncated cone dome

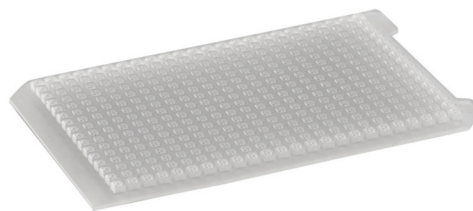| Description	Specifications
Well size	8.35 mm
Slit	Pierceable, cross-slit
Dome volume	~223 µL
Dome height/depth	4.2 mm
Mat width	80.0 mm
Mat length	122.5 mm
Frame numbering	No
Color	Opaque
Temperature range	Up to 121 °C (not recommended for freezing applications)
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, and pyrogen
Pack size	50 (p/n 5043-9317) 100 (p/n 5043-9318)
Compatible well plates	5043-9302, 5043-9308, 5043-9309

Part number **5043-9319**

- – InfinityLab deep-well sealing mat, 96 wells
- – Square
- – Preslit
- – Silicone
- – Truncated pyramid dome

Description	Specifications
Well size	8.5 mm
Slit	Pierceable, cross-slit
Dome volume	~292 µL
Dome height/depth	4.2 mm
Mat width	80.0 mm
Mat length	122.5 mm
Frame numbering	No
Color	Opaque
Temperature range	Up to 121 °C (not recommended for freezing applications)
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, and pyrogen
Pack size	50
Compatible well plate	5043-9300

Part number **5043-9320**

- InfinityLab high-throughput sealing mat, 384 wells
- Square
- Preslit
- Silicone
- Truncated pyramid dome

Description	Specifications
Well size	3.5 mm
Slit	Pierceable, cross-slit
Dome volume	~30 μL
Dome height/depth	2.6 mm
Mat width	80.0 mm
Mat length	122.5 mm
Frame numbering	No
Color	Opaque
Temperature range	Up to 121 °C (not recommended for freezing applications)
Autoclavable	Yes
Sterile	Nonsterile
Free from	RNase, DNase, and pyrogen
Pack size	50
Compatible well plate	5043-9315

Part numbers **5188-5321**, **5188-5322**

- 96-well plate glass insert and PE snap cap with PTFE/silicone septa
- 350 μL

Compatible with Agilent HPLC instruments, these inserts are ideal for high-throughput chromatography applications that require polar glass surfaces.

Description	Specifications
Insert form	Conical, snap
Insert diameter	6 mm
Insert length	43 mm
Insert material	Clear glass
Cap material	Red polyethylene, snap
Cap diameter	9 mm (4 mm opening)
Cap height	6 mm
Septa material	Red PTFE, white silicone, 45° shore
Septa preslit	Yes, pierceable, straight-slit
Sterile	Nonsterile
Pack size	1,000 (p/n 5188-5321) 1,000 (p/n 5188-5322)
Compatible well plate	5065-4402

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