

Consumables Guide for the Cannabis Testing Lab

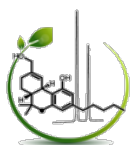


The Cannabis Testing Experts

When purchasing consumables for analytical labs, it is important to know that you are not just buying a disposable item but investing in your lab's productivity and ultimate profitability. The right consumables make your lab efficient, allow you to provide the highest quality results, and maintain the best operating margins so you have an edge over your competitors.

Shimadzu is not only the leader in instrumentation and software for cannabis labs but we are leading the industry in manufacturing the highest quality consumables as well. We provide comprehensive technical knowledge and support to help your lab be successful. We can assist with method development, instrument training, and many other areas of support like maintenance to ensure your systems are constantly operating at an exceptional level.

From seed to sale, from accurate cannabis potency profiles to reliable, highly sensitive pesticide analysis, let us deliver scalable, turnkey solutions to meet your testing needs for today and tomorrow.



Potency Testing – HPLC 03

- Cannabinoid Standards
- Columns & Vials
- Solvents



Pesticide Testing – LCMS 05

- Pesticide Standards
- Columns & Vials
- Solvents



Pesticide Testing – GCMS 06

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Potency Testing - HPLC

Cannabinoid Standards

Shimadzu manufactures two cannabinoid mixtures to reduce the time of your sample preparation. Each standard has a concentration of 250ug/mL housed in a flame sealed ampule. All Shimadzu standards are manufactured to ISO-17025 Guide 34 requirements.

10-part mix contains: THC-A, Δ 8-THC, Δ 9-THC, CBD, CBD-A, CBD-V, CBN, CBG, CBG-A, CBC

11-part mix contains: THC-A, THC-V, Δ 8-THC, Δ 9-THC, CBD, CBD-A, CBD-V, CBN, CBG, CBG-A, CBC



Part Number	Description
220-91239-20	Certified Cannabinoids Standards Mixture - 10 Components 1mL x 250ug/mL
220-91239-21	Certified Cannabinoids Standards Mixture - 11 Components 1mL x 250ug/mL

Columns & Vials

Shimadzu specifically engineered a superficially porous liquid chromatography analytical and guard column for the analysis of cannabinoids. Ensure the ultimate in resolution and sensitivity for cannabis analysis by using the NexLeaf™ brand.

Part Number	Description
220-91525-70	NexLeaf™ CBX™ for Potency, LC Column 2.7 μ m 150 mm, 4.6 mm ID
220-91525-72	NexLeaf™ CBX™ Guard Column 2.7 μ m, pack of 3
220-91525-73	NexLeaf™ Guard Column Holder
220-97331-31	1.5mL Amber Glass Vial Kit w/ Cap & Septa, 100/pk
220-90613-01	Vials, GC, 40ML, EPA CLEAR 72/PK
220-90613-02	Vials, GC, 40ML, EPA, AMBER 72/PK



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Potency Testing - HPLC

Solvents

Solvent purity and quality are extremely important in analytical testing therefore Shimadzu only recommends Honeywell Burdick & Jackson brand solvents to ensure the highest quality results.

Part Number	Description
220-91394-82	Cannabis Analyzer for Potency Solvent Kit, High Resolution Method
220-91394-81	Cannabis Analyzer for Potency Solvent Kit, High Sensitivity Method
220-91394-80	Cannabis Analyzer for Potency Solvent Kit, High Throughput Method
220-91394-85	High Sensitivity Method Solvent B (Case of 4 X 4L)
220-91394-91	High Sensitivity Method Solvent B (1 X 4L)
220-91394-86	High Throughput Method Solvent A (Case of 4 X 4L)
220-91394-88	High Throughput Method Solvent A (1 X 4L)
220-91394-87	High Throughput Method Solvent B (Case of 4 X 4L)
220-91394-89	High Throughput Method Solvent B (1 X 4L)
220-91394-84	High Resolution Method Solvent B (Case of 4 X 4L)
220-91394-92	High Resolution Method Solvent B (1 X 4L)
220-91394-83	High Resolution/High Sensitivity Method Solvent A (Case of 4 X 4L)
220-91394-90	High Resolution/High Sensitivity Method Solvent A (1 X 4L)
220-91545-12	WATER, LCMS CHROMASOLV, Case, 4 x 4L
220-91545-10	ACETONITRILE, LCMS CHROMASOLV $\geq 99.9\%$, Case 4 x 4L
220-91545-11	METHANOL, LCMS CHROMASOLV(R), $\geq 99.9\%$, Case, 4 x 4L
220-91545-70	Formic Acid, LCMS Analytical Grade, 50mL Bottle
220-91545-74	Phosphoric Acid, HPLC Grade 85-90%, 100mL Bottle



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Pesticide Testing - LCMS

Pesticide Standards

Shimadzu offers a 204 multiresidue pesticide mixture to reduce your sample preparation time. Each mixture has a concentration of 100ug/mL. Individual pesticide standards are also available if your lab wants to customize method analytes to meet customer needs. Additional information is available upon request.



Part Number	Description
REST-31971	Standards, LC, Multiresidue Pesticide Kit (204 analytes)

Please go to pages 7 and 8 for listings of state-specific pesticide standards.

Columns & Vials

Shimadzu specifically engineered a superficially porous liquid chromatography analytical and guard column for the analysis of pesticides in cannabis. Ensure the ultimate in resolution and sensitivity for cannabis analysis by using the NexLeaf™ brand. NexLeaf™ CBX™ provides the ultimate separation for all of your pesticide analysis needs.



Part Number	Description
220-91525-71	NexLeaf™ for Pesticides, LC Column 2.7 µm 100 mm, 2.1 mm ID
220-91525-74	NexLeaf™ for Pesticides, LC Column 2.7 µm 150 mm, 2.1 mm ID
220-91525-72	NexLeaf™ CBX™ Guard Column 2.7um, pack of 3
220-91525-73	NexLeaf™ Guard Column Holder
220-97331-31	1.5mL Amber Glass Vial Kit w/ Cap & Septa, 100/pk

Solvents

Solvent purity and quality are extremely important in analytical testing; therefore, Shimadzu only recommends Honeywell Burdick & Jackson brand solvents to ensure the highest quality results.

Part Number	Description
220-91545-12	WATER, LCMS CHROMASOLV, Case, 4 x 4L
220-91545-11	METHANOL, LCMS CHROMASOLV(R), >=99.9%, Case, 4 x 4L
220-91545-70	Formic Acid, LCMS Analytical Grade, 50mL Bottle
220-91545-71	Acetic Acid, LCMS Analytical Grade, 50mL Bottle
220-91545-72	Ammonium Acetate, LCMS Analytical Grade, 25g

Pesticide Testing - GCMS

Columns, Vials & Liners

Shimadzu specifically engineered a GCMS analytical column for the analysis of pesticides in cannabis. Ensure the ultimate in resolution and sensitivity for cannabis analysis by using the Shimadzu columns. Shimadzu provides the ultimate separation for all of your pesticide analysis needs.

Part Number	Description
221-75954-30	SH-RXI 5 SIL MS – 30m x 0.25mm x 0.25um
220-97331-31	1.5mL Amber Glass Vial Kit w/ Cap & Septa, 100/pk
REST-23336	Topaz Liner, Splitless Single Taper w/Wool, 3.5mm x 5.0 x 95, 5-pk

Sample Preparation

An array of sample preparation products exist on the market for pesticide analysis in cannabis. Below are some dSPE items that we recommend.

Part Number	Description
REST-26194	Pesticide Residue Cleanup SPE Cartridges (GC)
220-91525-90	Supelco QuE Verde Tube, QuEChERS dSPE Tubes for Extract Cleanup



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Pesticide Testing - Standards

State-Specific Pesticide Standards

To ease your preparation of standards, Shimadzu offers state specific mixtures so that you can quickly prepare calibrators and analyze samples.

California Mix (66 component mix)	
Part Number	Name
220-97351-00	California Pesticides for Cannabis Kit - 5 Mixtures
220-97351-01	California Pesticide Standard Mixture 1 for Cannabis Testing
220-97351-02	California Pesticide Standard Mixture 2 for Cannabis Testing
220-97351-03	California Pesticide Standard Mixture 3 for Cannabis Testing
220-97351-04	California Pesticide Standard Mixture 4 for Cannabis Testing
220-97351-05	California Pesticide Standard Mixture 5 for Cannabis Testing

Canadian Mix – 96 Compounds (95 component mix + 1 individual)	
Part Number	Name
220-97351-10	Canadian Cannabis Pesticide Mixture Kit - 6 Mixtures
220-97351-11	Canadian Cannabis Pesticide Mixture 1 (Revised)
220-97351-12	Canadian Cannabis Pesticide Mixture 2
220-97351-13	Canadian Cannabis Pesticide Mixture 3
220-97351-14	Canadian Cannabis Pesticide Mixture 4
220-97351-15	Canadian Cannabis Pesticide Mixture 5
220-97351-16	Canadian Cannabis Pesticide Mixture 6
220-97351-26	Azadirachtin (10mg powder)

Azadirachtin is not included in the mix and must be purchased separately

Colorado Mix (13 component mix)	
Part Number	Name
220-97351-17	Colorado Pesticide Standard Mixture 1 for Cannabis Testing

Nevada Mix (24 component mix)	
Part Number	Name
220-97351-18	Nevada Pesticide Standard Mixture 1 for Cannabis Testing

Massachusetts Mix (9 component mix)	
Part Number	Name
220-97351-19	Massachusetts Pesticide Standard Mixture 1 for Cannabis Testing

Each mix is 100ug/mL in Acetonitrile. The full kit contains one ampule of each mix. A full component list is available at www.ssi.shimadzu.com.

Pesticide Testing - Standards

Oregon Mix (59 component mix) in Solvent	
Part Number	Name
220-97351-30	Oregon Pesticides for Cannabis Testing Kit - 3 Mixtures
220-97351-31	Oregon Pesticide Standard Mixture 1 for Cannabis Testing
220-97351-32	Oregon Pesticide Standard Mixture 2 for Cannabis Testing
220-97351-33	Oregon Pesticide Standard Mixture 3 for Cannabis Testing
Oregon Mix (59 component mix) Powders	
220-97351-35	Oregon Pesticide Stds Cannabis Testing Kit - 59 Components
220-97351-36	Oregon Pesticide Stds Cannabis Testing Kit 1 - 20 Components
220-97351-37	Oregon Pesticide Stds Cannabis Testing Kit 2 - 20 components
220-97351-38	Oregon Pesticide Stds Cannabis Testing Kit 3 - 19 Components

Pennsylvania Mix (61 component mix)	
Part Number	Name
220-97351-40	Pennsylvania Pesticide Standards for Cannabis Kit - 5 Mixes
220-97351-41	Pennsylvania Pesticide Standard Mix 1 for Cannabis Testing
220-97351-42	Pennsylvania Pesticide Standard Mix 2 for Cannabis Testing
220-97351-43	Pennsylvania Pesticide Standard Mix 3 for Cannabis Testing
220-97351-44	Pennsylvania Pesticide Standard Mix 4 for Cannabis Testing
220-97351-45	Pennsylvania Pesticide Standard Mix 5 for Cannabis Testing

Maryland Mix (48 component mix)	
Part Number	Name
220-97351-20	Maryland Pesticide Standards for Cannabis Kit - 5 Mixes
220-97351-21	Maryland Pesticide Standard Mix 1 for Cannabis Testing
220-97351-22	Maryland Pesticide Standard Mix 2 for Cannabis Testing
220-97351-23	Maryland Pesticide Standard Mix 3 for Cannabis Testing
220-97351-24	Maryland Pesticide Standard Mix 4 for Cannabis Testing
220-97351-25	Maryland Pesticide Standard Mix 5 for Cannabis Testing

Each mix is 100ug/mL in Acetonitrile. The full kit contains one ampule of each mix. A full component list is available at www.ssi.shimadzu.com.

Terpene & Residual Solvent Testing

Terpene Standards

Terpenes are produced in trichomes and give cannabis its distinctive flavor and aroma. Terpenes also act as essential, medicinal hydrocarbon building blocks, influencing the overall homeopathic effect. From the pine odor of pinene to the citrus-like smell of limonene, the characterization of terpenes and their synergistic effect with cannabinoids is easily achieved using Shimadzu gas chromatography.

Our Terpene standards ease your sample preparation by offering convenient mixtures so that you can quickly analyze samples.

42 Terpene Component Mix	
Part Number	Name
220-97351-50	Terpene Mixture Kit (2 Mixtures)
220-97351-51	Terpene Mixture 1
220-97351-52	Terpene Mixture 2

Each mix is 100ug/mL in methanol. The full kit contains one ampule of each mix. A full component list is available at www.ssi.shimadzu.com.

Residual Standards

Residual solvents are leftover chemicals from the process used to extract cannabinoids and terpenes from the plant. The solvents are evaporated to prepare high-concentration oils and waxes. Sometimes, the evaporation process does not remove all of the solvent. Since these solvents are not safe for human consumption, it is important to verify their absence so you can guarantee you are providing a safe, chemical-free product.

Shimadzu offers ultrahigh purity residual solvent standards in simple to use mixtures so you can quickly analyze samples to ensure no leftover solvents are present in your final product.

Residual Solvent Mixes	
Part Number	Name
220-97351-60	Residual Solvent Mixture (1000ug/mL in N,N-Dimethylacetamide)
220-97351-61	Oregon Residual Solvent Mixture
220-97351-62	Canadian Cannabis Residual Solvent Mixture
220-97351-63	California Residual Solvent Mixture

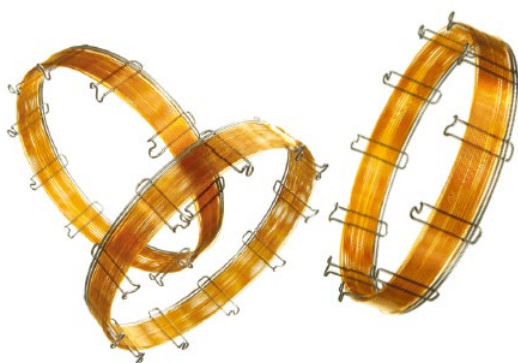
Concentrations varied depending on product selected all standards are made up in N,N-Dimethylacetamide. A full component list is available at www.ssi.shimadzu.com.

Terpene & Residual Solvent Testing

GC Columns

Capillary columns are the standard when separating complex samples by GC or GCMS. Since the number of Terpenes present in cannabis products are so numerous, appropriate resolution can be difficult. Shimadzu has designed a unique high temperature ultralow bleed mid-polarity crossbond silarylene phase similar to 6% cyanopropylphenyl and 94% dimethyl polysiloxane. The SH-Rxi-624Sil MS column is the ideal choice for terpene and solvent separations.

Part Number	Name
221-75962-30	Rxi®-624Sil MS Column (Terpene and Residual Solvents)



Headspace Vials

Standard Temperature Range Cap & Septa	
Part Number	Name
220-97331-53	20mL Headspace vial w/ Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 100/pk
220-97331-57	20mL Headspace vial w/ Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 500/pk
220-97331-56	20mL Headspace vial w/ Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 1000/pk
High Temperature Range Cap & Septa	
Part Number	Name
220-97331-51	20mL Headspace vial only, Crimp Cap Style, Clear glass, Round bottom, 100/pk
220-97331-72	Ultra High Temp Septa & Steel Crimp Cap, Red Silicone/PTFE, 100/pk



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Heavy Metals Testing

Metal Standards

Metals can be found in soil and fertilizer. As cannabis plants grow, they absorb metals from the soil. 'Heavy metals' are a group of metals considered to be toxic and include lead, cadmium, arsenic and mercury. 1000ug/mL standards in nitric acid are available specifically for cannabis analysis.

Part Number	Compound	Product Description
220-95366-24	Arsenic Standard	Standards, AA, As 1000 µg/mL in 2% HNO ₃
220-95366-64	Cadmium Standard	Standards, AA, Cd 1000 µg/mL in 2% HNO ₃
220-95366-21	Lead Standard	Standards, AA, Pb 1000 µg/mL in 2% HNO ₃
220-95366-27	Mercury Standard	Standards, AA, Hg 1000 µg/mL in 2% HNO ₃
220-95366-50	Thallium Standard (internal standard)	Standards, AA, Tl 1000 µg/mL in 2% HNO ₃
220-95366-60	Yttrium Standard (internal standard)	Standards, AA, Y 1000 µg/mL in 2% HNO ₃

Additional Consumables

Part Number	Product Description
220-95369-00	16 mL Sample vial, 1000/PK, polypropylene, Flame Cont
EPPE-0030122178	Conical Tubes, 50mL, Clear, Sterile, 10 bags x 50 tubes (500pk)
220-95372-69	Multiwave GO (Start-up supply, on quote)
220-95372-71	Set of 12# high-performance reaction vessels (Start-up supply, on quote)

Periodic table showing elements color-coded by concentration ranges:

- Below 1 ppb (Yellow)
- 1 to 10 ppb (Light Blue)
- 10 to 100 ppb (Light Green)
- 100 ppb and above (Light Purple)

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What else do you need for the lab?

Syringe Filters

Shimadzu's SyrFi™ syringe filters and disposable syringes are specifically engineered to provide consistent and reliable results for a wide range of analytes and demanding matrixes to deliver exceptional sample preparation results across applications. Run more samples because SyrFi™ removes a wide range of particulates from samples prior to HPLC or LCMS analysis to prevent clogging of the flow path. By using ultra-clean, low leachable and extractable plastics, SyrFi™ will not introduce contamination. Choosing the right syringe filter is critical when analyzing cannabinoids during potency testing of raw cannabis flower because not all filters are able to remove the complex particles commonly leftover during the extraction process.

Part Number	Description
220-97330-42	Syringe Filters, SyrFi Syringe Filters, 13mm 0.45um Nylon, 100/pk
220-97330-58	Syringe Filters, SyrFi Syringe Filters, 13mm 0.45um Polypropylene (PP), 100/pk
220-97330-80	Syringes, SyrFi Disposable Syringes, Plastic, Luer-lock, 3 mL, 100/pk
220-97330-81	Syringes, SyrFi Disposable Syringes, Plastic, Luer-lock, 5 mL, 100/pk
220-97330-82	Syringes, SyrFi Disposable Syringes, Plastic, Luer-lock, 10mL, 100/pk
220-97330-83	Syringes, SyrFi Disposable Syringes, Plastic, Luer-lock, 20 mL, 100/pk



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What else do you need for the lab?

Pipettes & Tips

Quality pipettes will last a lifetime and low binding technology coupled with low leaching plastics are critical for obtaining accurate results in cannabis analysis, which is why Shimadzu recommends only Eppendorf® plastics.

Part Number	Description
EPPE-3123000900	Pipette, Eppendorf Research Plus, 3 pack, 0.5-10, 10-100 and 100-1000uL
EPPE-2231300002	Pipette, Eppendorf Research Plus, 4 pack, 0.1-2.5, 0.5-10, 10-100 and 100-1000uL
EPPE-3123000020	Pipette, Eppendorf Research Plus, 0.5-10uL
EPPE-3123000047	Pipette, Eppendorf Research Plus, 10-100uL
EPPE-3123000063	Pipette, Eppendorf Research Plus, 100-1000uL
EPPE-022493018	Pipette Tips, Eppendorf Quality, Reloads, 10 trays x 96 tips, 0.1-10uL, LoRet
EPPE-022493020	Pipette Tips, Eppendorf Quality, Reloads, 10 trays x 96 tips, 0.5-20uL, LoRet
EPPE-022493022	Pipette Tips, Eppendorf Quality, Reloads, 10 trays x 96 tips, 2-200uL, LoRet
EPPE-022493024	Pipette Tips, Eppendorf Quality, Reloads, 10 trays x 96 tips, 50-1000uL, LoRet
EPPE-022494004	Pipette Tips, Eppendorf Quality, Reloads, 10 trays x 96 tips, 50-1250uL, Long 103mm

Sample Preparation

Every lab requires more than just analytical instrumentation; gloves, conical tubes, centrifuges, and vortex mixers are just some of the tools needed for preparing samples.

Part Number	Description
REST-26230	Q-sep3000 Centrifuge
EPPE-022363611	Conical Tubes, 0.5mL, Clear, Eppendorf Quality, Safe-Lock, 500pk
EPPE-022363204	Conical Tubes, 1.5mL, Clear, Eppendorf Quality, Safe-Lock, 500pk
EPPE-022363352	Conical Tubes, 2.0mL, Clear, Eppendorf Quality, Safe-Lock, 500pk
EPPE-0030122305	Conical Tubes, 5mL, Clear, Eppendorf Quality, Screw Cap, 200pk
EPPE-0030122151	Conical Tubes, 15mL, Clear, Sterile, 10 bags x 50 tubes, 500pk
EPPE-0030122178	Conical Tubes, 50mL, Clear, Sterile, 10 bags x 50 tubes, 500pk



A cannabis lab needs so much more equipment than can be listed in a simple and concise document so please speak with your Shimadzu sales representative for more information and laboratory supplies.

Vials

Clear Vial Kits

Part Number	Description
220-97331-30	Vials, 1.5mL Clear Glass Vial w/ Cap & Septa, Short Thread Vial, 12 x 32mm, 9mm opening 100/pk
220-97331-48	Vials, 1.5mL Clear Glass Vial w/ Cap & Septa, Short Thread Vial, 12 x 32mm, 9mm opening 500/pk
220-97331-46	Vials, 1.5mL Clear Glass Vial w/ Cap & Septa, Short Thread Vial, 12 x 32mm, 9mm opening 1000/pk
220-97331-67	Vials, 1.5mL Clear Silanized Glass w/ Cap & Septa, Short Thread, 12 x 32mm, 9mm opening, 100/pk

Amber Vial Kits

Part Number	Description
220-97331-31	Vials, 1.5mL Amber Glass Vial w/ Cap & Septa, Short Thread Vial, 12 x 32mm, 9mm opening 100/pk
220-97331-49	Vials, 1.5mL Amber Glass Vial w/ Cap & Septa, Short Thread Vial, 12 x 32mm, 9mm opening 500/pk
220-97331-47	Vials, 1.5mL Amber Glass Vial w/ Cap & Septa, Short Thread Vial, 12 x 32mm, 9mm opening 1000/pk
220-97331-68	Vials, 1.5mL Amber Silanized Glass w/ Cap & Septa, Short Thread, 12 x 32mm, 9mm opening, 100/pk

Inserts

Part Number	Description
220-97331-62	Vials, 200uL Glass Insert Only, 100/pk
220-97331-63	Vials, 200uL Glass Silanized Insert Only, 100/pk
220-97331-64	Vials, 200uL Polypropylene Insert Only, 100/pk

Non Glass Vials

Part Number	Description
220-97331-58	Vials, 1.5mL Clear Polypropylene Vial Only, 100/pk
220-97331-59	Vials, 1.5mL Amber Polypropylene Vial Only, 100/pk
220-97331-60	Vials, 300uL Clear Polypropylene Vial Only, 100/pk
220-97331-61	Vials, 300uL Amber Polypropylene Vial Only, 100/pk

Headspace Vials

Cap	Size	Part Number	Description
Crimp Cap	20mL	220-97331-53	Vials, 20mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 100/pk
		220-97331-57	Vials, 20mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 500/pk
		220-97331-56	Vials, 20mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 1000/pk
	10mL	220-97331-52	Vials, 10mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 100/pk
		220-97331-55	Vials, 10mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 500/pk
		220-97331-54	Vials, 10mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, Round bottom, 1000/pk
	20mL	220-97331-15	Vials, 20mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, flat bottom, 100/pk
		220-97331-38	Vials, 20mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, flat bottom, 500/pk
		220-97331-34	Vials, 20mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, flat bottom, 1000/pk
	10mL	220-97331-13	Vials, 10mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, flat bottom, 100/pk
		220-97331-36	Vials, 10mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, flat bottom, 500/pk
		220-97331-32	Vials, 10mL w/ 20mm AL Crimp Cap & Silicone/PTFE Septa, Kit, flat bottom, 1000/pk
Screw Cap	20mL	220-97331-16	Vials, 20ml w/ 18mm Magn Screw Cap & Silicone/PTFE Septa, Kit, round bottom, 100/pk
		220-97331-39	Vials, 20ml w/ 18mm Magn Screw Cap & Silicone/PTFE Septa, Kit, round bottom, 500/pk
		220-97331-35	Vials, 20ml w/ 18mm Magn Screw Cap & Silicone/PTFE Septa, Kit, round bottom, 1000/pk
	10mL	220-97331-14	Vials, 10ml w/ 18mm Magn Screw Cap & Silicone/PTFE Septa, Kit, round bottom, 100/pk
		220-97331-37	Vials, 10ml w/ 18mm Magn Screw Cap & Silicone/PTFE Septa, Kit, round bottom, 500/pk
		220-97331-33	Vials, 10ml w/ 18mm Magn Screw Cap & Silicone/PTFE Septa, Kit, round bottom, 1000/pk

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Filter Vials & Microtiter Plates

Filter Vials

Part Number	Description
220-91521-40	Vials, LC, 0.2uM PTFE Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-41	Vials, LC, 0.2uM Nylon Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-42	Vials, LC, 0.2uM PVDF Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-43	Vials, LC, 0.2uM PES Filter , 12x32mm with Pre-Slit Septa, 100/pk.
220-91521-44	Vials, LC, 0.45uM PTFE Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-45	Vials, LC, 0.45uM Nylon Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-46	Vials, LC, 0.45uM PVDF Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-47	Vials, LC, 0.45uM PES Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-48	Vials, LC, 0.2uM eXtreme PTFE Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-49	Vials, LC, 0.2uM eXtreme Nylon Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-50	Vials, LC, 0.2uM eXtreme PVDF Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-51	Vials, LC, 0.2uM eXtreme PES Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-52	Vials, LC, 0.45uM eXtreme PTFE Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-53	Vials, LC, 0.45uM eXtreme Nylon Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-54	Vials, LC, 0.45uM eXtreme PVDF Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-55	Vials, LC, 0.45uM eXtreme PES Filter , 12x32mm with Pre-Slit Septa, 100/pk
220-91521-57	Vials, LC, 0.2uM PTFE nano Filter, 12x32mm with Pre-Slit Septa, 100/pk
220-91521-58	Vials, LC, 0.2uM Nylon nano Filter, 12x32mm with Pre-Slit Septa, 100/pk
220-91521-59	Vials, LC, 0.2uM PVDF nano Filter, 12x32mm with Pre-Slit Septa, 100/pk
220-91521-60	Vials, LC, 0.2uM PES nano Filter, 12x32mm with Pre-Slit Septa, 100/pk
220-91521-61	Vials, LC, 0.45uM PTFE nano Filter, 12x32mm with Pre-Slit Septa, 100/pk
220-91521-62	Vials, LC, 0.45uM PVDF nano Filter, 12x32mm with Pre-Slit Septa, 100/pk

Deepwell + Microtiter Plates + Accessories

Item Number	Description
EPPE-0030127838	Vials, LC, SIL, Deepwell Plate Storage Film, Heat Sealed, 100pcs
EPPE-0030127854	Vials, LC, SIL, Deepwell Plate Storage Foil, Heat Sealed, 100pcs
EPPE-0030127960	Vials, LC, SIL, Deepwell Plate Sealing Mat for 96DWP 2000uL, 50pcs
EPPE-0030127978	Vials, LC, SIL, Deepwell Plate Sealing Mat for 96DWP 1000uL & 500uL, 50pcs
EPPE-951031801	Vials, LC, SIL, 96 Deepwell Plate, 500uL, PCR Clean, 40 plates
EPPE-951032204	Vials, LC, SIL, 96 Deepwell Plate, 500uL, PCR Clean, 120 plates
EPPE-951032603	Vials, LC, SIL, 96 Deepwell Plate, 1000uL, PCR Clean, 20 plates
EPPE-951033006	Vials, LC, SIL, 96 Deepwell Plate, 1000uL, PCR Clean, 80 plates
EPPE-951033405	Vials, LC, SIL, 96 Deepwell Plate, 2000uL, PCR Clean, 20 plates
EPPE-951033600	Vials, LC, SIL, 96 Deepwell Plate, 2000uL, PCR Clean, 80 plates
EPPE-951031003	Vials, LC, SIL, 384 Deepwell Plate, 200uL, PCR Clean, 40 plates
EPPE-951031402	Vials, LC, SIL, 384 Deepwell Plate, 200uL, PCR Clean, 120 plates
EPPE-951040005	Vials, LC, SIL, MTP Plate, Microplate 96 Flat Well, PCR Clean, 80 plates
EPPE-951040021	Vials, LC, SIL, MTP Plate, Microplate 96 Flat Well, Sterile, 80 plates
EPPE-951040188	Vials, LC, SIL, MTP Plate, Microplate 96 V Well, PCR Clean, 80 plates
EPPE-951040227	Vials, LC, SIL, MTP Plate, Microplate 96 V Well, Sterile, 80 plates
EPPE-951040048	Vials, LC, SIL, MTP Plate, Microplate 96 U Well, PCR Clean, 80 plates
EPPE-951040081	Vials, LC, SIL, MTP Plate, Microplate 96 U Well, Sterile, 80 plates
EPPE-951040341	Vials, LC, SIL, MTP Plate, Microplate 384 Flat Well, PCR Clean, 80 plates
EPPE-951040383	Vials, LC, SIL, MTP Plate, Microplate 384 Flat Well, Sterile, 80 plates
EPPE-951040421	Vials, LC, SIL, MTP Plate, Microplate 384 V Well, PCR Clean, 80 plates
EPPE-951040464	Vials, LC, SIL, MTP Plate, Microplate 384 V Well, Sterile, 80 plates



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