

Fisherbrand

Crimp-Top Vials

Autosampler Vials

Robotic Screw-Top Autosampler Vials

Screw-Thread Autosampler Vials

Autosampler Vials

Autosampler Vials

Glass Vials

Preassembled Snap Caps with Septa

Screw Thread Glass Vials

Screw Thread Cap with Septa

Syringe Filters

Brass Single-Stage Regulators

Stainless-Steel Single-Stage Regulators

Multistage Regulators

Chromatography Solvents

Silica Gel Desiccant



For a comprehensive listing of chromatography products, visit
www.fishersci.com/chromatography.

Fisherbrand* Standard Opening 2mL Crimp-Top Autosampler Vials

Clear or amber

- Borosilicate glass
- 12 O.D. x 32mm long
- Convenience kit includes 100 vials and 100 seals with septa



03-391-2

Description	Size	Vial Color	Cat. No.	Pack of
Vials	12 O.D. x 32mm long	Clear	03-391-2	100/\$15.53
Vials	12 O.D. x 32mm long	Amber	03-391-38	100/\$18.50
Convenience Kit: Clear Vials w/Seals and PTFE/Red Rubber Septa	12 O.D. x 32mm long	Clear	03-391-4	100/\$27.26

Fisherbrand* Crimp-Top 2mL Autosampler Vials

Wide-opening, borosilicate glass vials

- 12 O.D. x 32mm long
- I-D vial has write-on patch; graduated in 0.5mL increments
- Silver 11mm aluminum crimp-top seals offer a variety of septa material options
- Convenience kit has 100 vials and 100 seals with septa



03-391-6

Description	Size	Vial Color	Cat. No.	Pack of
Vials	12 O.D. x 32mm long	Clear	03-391-5	100/\$15.65
Vials	12 O.D. x 32mm long	Amber I-D	03-391-6	100/\$19.67
11mm Aluminum Seals, PTFE/Red Rubber Septa	----	----	03-391-3	100/\$10.77
11mm Aluminum Seals, PTFE/Silicone/PTFE Septa	----	----	03-391-34	100/\$33.87
11mm Aluminum Seals, PTFE/Silicone Septa	----	----	03-391-33	100/\$27.40
Convenience Kit: Clear Vials w/Seals and PTFE/Red Rubber Septa	12 O.D. x 32mm long	Clear	03-391-7	100/\$27.72

Fisherbrand* Robotic Screw-Top Autosampler Vials

2mL, 12 x 32mm screw-top vials with a 9mm thread finish

- 40% larger opening than other comparable vials
- Fit rotating or robotic arm autosamplers
- Convenience of a screw thread vial with the integrity of a crimp cap vial
- Clear vials are made from Type I, borosilicate glass; amber vials are made from amber borosilicate glass
- Blue closures are preassembled with a 9mm thread and choice of PTFE/Silicone, PTFE/Silicone/PTFE, or PTFE/Red Rubber septa
- Convenience kit includes 100 vials and 100 seals with septa



03-391-8

Description	Size	Vial Color	Cat. No.	Pack of
Vials	2mL, 12 x 32mm	Clear	03-391-8	100/\$16.29
Vials	2mL, 12 x 32mm	Amber with Write-on Patch	03-391-9	100/\$21.46
Blue 9mm PTFE/Silicone Preassembled Closures	----	----	03-391-14	100/\$23.54
Blue 9mm PTFE/Red Rubber Preassembled Closures	----	----	03-391-31	100/\$19.53
Blue 9mm PTFE/Silicone/PTFE Preassembled Closures	----	----	03-391-32	100/\$30.75
Convenience Kit: Clear Vials w/Blue Caps and PTFE/Silicone Septa	2mL, 12 x 32mm	Clear	03-391-15	100/\$36.39

Fisherbrand* 2mL Screw-Thread Autosampler Vials

Available separately or packaged into convenience kits with caps and septa

- 10-425 thread
- I-D vial with write-on patch graduated at 0.5, 1.0, and 1.5mL
- Black closure is preassembled with a 9mm thread and PTFE/Silicone
- Conical glass insert with attached polyspring, 300µL capacity
- Convenience kit includes 100 vials and 100 seals with septa



03-391-16

Description	Size	Vial Color	Cat. No.	Pack of
Vials	2mL	Clear	03-391-16	100/\$19.75
Vials	2mL	Amber I-D	03-391-36	100/\$22.60
Black 10mm PTFE/Silicone Preassembled Closure	----	----	03-391-17	100/\$37.63
Polyspring Vial Insert, Glass, 300µL	----	----	03-391-35	100/\$92.23
Convenience Kit: Clear Vials w/Black Caps and PTFE/Silicone Septa	2mL	Clear	03-391-18	100/\$66.34

Fisherbrand® 4mL Autosampler Vials

Fully compatible with Waters* WISP* and Shimadzu* autosamplers

- 15 x 45mm, 13-425 screw-top vials
- Type 1, borosilicate glass
- Black closures are preassembled with a red and white PTFE/Silicone septa (0.075")
- Convenience kit includes 100 vials and 100 caps with septa



03-391-19

Description	Size	Vial Color	Cat. No.	Pack of
Vials, 13-425 Screw-top	15 x 45mm	Clear	03-391-19	100/\$20.06
Vials, 13-425 Screw-top	15 x 45mm	Amber	03-391-37	100/\$23.39
Black Screw Caps, PTFE/Silicone Septa	----	----	03-391-21	100/\$45.10
Convenience Kit: Clear Vials w/Black Caps and PTFE/Silicone Septa	15 x 45mm	Clear	03-391-22	100/\$62.03

Fisherbrand® Shell Vials for Waters* Autosamplers

Natural-colored polyethylene SepCap* closures

- 1mL vials are made from clear borosilicate glass and are for use with a 96-position autosampler
- 4mL vials are made from Type I, Class A clear borosilicate glass and are for use with a 48-position autosampler



03-391-24

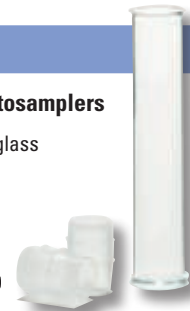
Description	Size	Vial Color	Cat. No.	Pack of
Vials, 1mL, with Natural-colored Polyethylene SepCap Closures	8 x 40mm	Clear	03-391-23	200/\$19.75
Vials, 4mL, with Natural-colored Polyethylene SepCap Closures	15 x 45mm	Clear	03-391-24	100/\$17.51

Fisherbrand® 8 x 35mm Shell Vials

1mL shell vials for Alcott/Micrometrics 728 Autosamplers

- Made from chemically resistant clear borosilicate glass
- Feature uniform wall thickness, fully annealed top
- Include natural-colored polyethylene push-in caps

03-391-30



Description	Size	Vial Color	Cat. No.	Pack of
Vials with Natural-colored Polyethylene Push-in Caps	8 x 35mm, 1mL	Clear	03-391-30	1000/\$229.21

Fisherbrand® 2mL Wide-Opening Snap Cap Glass Vials

Easier to fill and provide larger target area for autosampler needle

- Made from 33 expansion borosilicate clear glass (Type 1, Class A) or 51A amber glass
- Fit most autosamplers
- Vials with marking area are graduated at 0.5, 1.0 and 1.5mL



03-391-39, 03-391-40

Description	Vial Color	Cat. No.	Pack of
Vials without Caps	Clear, plain	03-391-39	100/\$18.32
Vials without Caps	Clear, with marking area	03-391-40	100/\$20.28
Vials without Caps	Amber, with marking area	03-391-41	100/\$21.18

Required accessory: Snap Caps (sold separately; see 03-391-42 and 03-391-43)

Fisherbrand® 2mL Standard Opening Screw Thread Glass Vials

With 8-425 screw thread for 12 x 32mm profile

- Made from 33 expansion borosilicate clear glass (Type 1, Class A) or 51A amber glass



03-391-44, 03-391-45

Description	Size	Vial Color	Cat. No.	Pack of
Vials with 8-425 screw thread	12 x 32mm	Clear	03-391-44	100/\$21.01
Vials with 8-425 screw thread	12 x 32mm	Amber	03-391-45	100/\$24.17

Required accessory: Screw Thread Caps (sold separately; see 03-391-46)

Fisherbrand* Preassembled 8-425 Screw Thread Caps with Septa



03-391-46

Convenient caps minimize contamination from handling

- For use with 2mL standard opening screw thread glass vials
- Preassembled with red PTFE/white silicone septa

Description	Cat. No.	Pack of
Black polypropylene cap, 8-425 screw thread	03-391-46	100/\$39.21

Fisherbrand* Preassembled Snap Caps with Septa



03-391-42

Easy to apply and remove; eliminate need for crimping or decapping tools

- For use with 2mL wide-opening snap cap glass vials
- PTFE/silicone septa
- 12mm I.D.
- 03-391-43 includes pre-slit septa

Description	Cat. No.	Pack of
With solid septa	03-391-42	100/\$25.25
With pre-slit septa	03-391-43	100/\$39.94

Fisherbrand* Syringe Filters



09-719 Series

Low hold-up volume—recover virtually all your sample after filtering

Tested for 100% membrane and housing integrity, eliminating concerns about fluid loss.

- PVDF Membrane: Ideal for filtration of protein-containing aqueous, mild organic solutions and other pharmaceutical/biological/biotech solutions
- Nylon Membrane: Excellent chemical resistance and low protein binding
- PTFE Membrane: Ideal for degassing/clarifying aqueous and solvent samples, nonsterile
- Mixed Cellulose Ester (MCE) Membrane: EtO sterilized, used for clarifying or sterilizing aqueous solutions

Membrane	Pore Size	Diameter	Sterile	Cat. No.	Pack of
MCE	0.22µm	25mm	Yes	09-719A	50/\$166.48
MCE	0.45µm	25mm	Yes	09-719B	50/\$151.66
Nylon	0.2µm	33mm	No	09-719-006	150/\$371.27
Nylon	0.22µm	25mm	Yes	09-719C	50/\$242.55
Nylon	0.22µm	13mm	No	09-720-5	100/\$185.14
Nylon	0.22µm	33mm	No	09-719-005	50/\$219.05
Nylon	0.45µm	13mm	No	09-720-6	100/\$185.14
Nylon	0.45µm	25mm	Yes	09-719D	50/\$239.61
Nylon	0.45µm	33mm	No	09-719-007	50/\$177.16
Nylon	0.45µm	33mm	No	09-719-008	150/\$373.57
Nylon	0.45µm	33mm	No	09-719-009	1500/\$2325.70
PTFE	0.2µm	25mm	No	09-730-19	150/\$364.70
PTFE	0.22µm	13mm	No	09-720-7	100/\$200.64
PTFE	0.22µm	25mm	No	09-719G	50/\$216.44
PTFE	0.45µm	13mm	No	09-720-8	100/\$200.64
PTFE	0.45µm	25mm	No	09-719H	50/\$200.00
PTFE	0.45µm	25mm	No	09-730-21	150/\$380.53
PTFE	0.45µm	25mm	No	09-719-7	1000/\$1972.73
PVDF	0.2µm	33mm	No	09-719-000	50/\$145.00
PVDF	0.22µm	13mm	Yes	09-720-3	100/\$235.39
PVDF	0.22µm	33mm	No	09-719-001	150/\$359.37
PVDF	0.45µm	13mm	Yes	09-720-4	100/\$312.37
PVDF	0.45µm	33mm	No	09-719-002	50/\$145.00
PVDF	0.45µm	33mm	No	09-719-003	150/\$362.49
PVDF	0.45µm	33mm	No	09-719-004	1500/\$2150.00

Fisherbrand* High-Purity Brass Single-Stage Regulators

Made from materials that will not outgas impurities into the gas stream; for noncorrosive gases

Ideal for instrument and OEM applications employing very high-purity noncorrosive gases and gas mixtures where some variations in delivery pressure can be tolerated.

- Made from chrome-plated brass bar stock
- 10-micron stainless-steel inlet filter
- Low internal volume
- PTFE seat and Viton seal
- Diffusion-resistant 316L stainless-steel diaphragm packless valve on outlet controls gas flow

For Gas	Max. Inlet Pressure	Outlet Gauge Pressure	CGA	Delivery Pressure	Cat. No.	Each
Noncorrosive Gases/Mixes	3000 (20.7)	30”Hg 0-60 (0-0.21)	Specify when ordering	2-40 (0.0138-0.276)	10-575-123	\$477.85
Noncorrosive Gases/Mixes	3000 (20.7)	30”Hg 0-200 (0-0.21)	Specify when ordering	5-125 (0.0345-0.862)	10-575-124	\$477.85
Noncorrosive Gases/Mixes	3000 (20.7)	10-400 (0.069-2.76)	Specify when ordering	10-300 (0.0690-2.07)	10-575-125	\$477.85
Noncorrosive Gases/Mixes	3000 (20.7)	60-600 (0.414-4.14)	Specify when ordering	20-500 (0.138-345)	10-575-126	\$477.85

Fisherbrand* High-Purity Stainless-Steel Single-Stage Regulators

For semi-corrosive gases

Use with extremely high-purity gases, mildly corrosive or reactive gases, and toxic gases where slight variations in delivery pressure can be tolerated.

- Electropolished 316L stainless-steel bar stock body
- 10-micron sintered inboard filter, nozzle, poppet and other internal parts
- PTFE seat
- PTFE-resin seals to minimize outgassing and contamination of gas stream
- Diffusion-resistant, 316L stainless-steel diaphragm packless valve installed on the outlet



10-575-129

For Gas	Max. Inlet Pressure	Outlet Gauge Pressure	CGA	Delivery Pressure	Cat. No.	Each
Mildly corrosive/reactive/toxic gases	3000 (27.6)	30”Hg 0-60 (0-0.21)	Specify when ordering	2-40 (0.0138-0.276)	10-575-127	\$1216.31
Mildly corrosive/reactive/toxic gases	3000 (27.6)	30”Hg 0-200 (0-0.21)	Specify when ordering	5-125 (0.0345-0.862)	10-575-128	\$1217.97
Mildly corrosive/reactive/toxic gases	3000 (27.6)	10-400 (0.069-2.76)	Specify when ordering	10-300 (0.0690-2.068)	10-575-129	\$1219.66
Mildly corrosive/reactive/toxic gases	3000 (27.6)	60-600 (0.414-4.14)	Specify when ordering	20-500 (0.138-3.45)	10-575-130	\$1185.75

Fisherbrand* Multistage Cylinder Regulators

For noncorrosive gases

- Feature neoprene diaphragms reinforced with nylon fabric, nylon seals, Orthane* seats for first and second stages
- Dual-scale gauges, brass bonnet, internal self-reseating relief valve, and easy pressure-adjusting knob
- Ideal for applications requiring maintenance of a constant delivery pressure until cylinder contents are empty



10-575-139

For Gas	Max. Inlet Pressure	Outlet Gauge Pressure	CGA	Delivery Pressure	Cat. No.	Each
Acetylene	400 (2.76)	2–30 (0.0138–0.20)	510	1–15 (0.006–0.1)	10-575-131	\$655.58
Acetylene	400 (2.76)	2–30 (0.0138–0.20)	300	1–15 (0.006–0.1)	10-575-132	\$622.83
Air, Breathing	3000 (20.7)	2–60 (0.0138–0.41)	346	1–40 (0.006–0.276)	10-575-133	\$575.04
Air, Industrial	3000 (20.7)	2–60 (0.0138–0.41)	590	1–40 (0.006–0.276)	10-575-134	\$612.55
Argon, Nitrogen, Helium	3000 (20.7)	2–60 (0.0138–0.41)	580	1–40 (0.006–0.276)	10-575-135	\$655.58
Argon, Nitrogen, Helium	3000 (20.7)	5–200 (0.0345–1.37)	580	1–125 (0.006–0.8)	10-575-136	\$655.58
Argon, Nitrogen, Helium	3000 (20.7)	5–400 (0.0345–2.76)	580	1–250 (0.006–1.7)	10-575-137	\$802.37
Argon, Nitrogen, Helium	3000 (20.7)	5–400 (0.0345–2.76)	580	1–325 (0.006–2.24)	10-575-138	\$620.07
Carbon Dioxide	3000 (20.7)	2–60 (0.0138–0.41)	320	1–40 (0.006–0.276)	10-575-139	\$672.72
Carbon Dioxide	3000 (20.7)	5–200 (0.0345–1.37)	320	1–125 (0.006–0.8)	10-575-140	\$779.04
Hydrogen	3000 (20.7)	2–60 (0.0138–0.41)	350	1–40 (0.006–0.276)	10-575-141	\$637.04
Hydrogen	3000 (20.7)	5–200 (0.0345–1.37)	350	1–125 (0.006–0.8)	10-575-142	\$494.52
Nitrous Oxide	3000 (20.7)	2–60 (0.0138–0.41)	326	1–40 (0.006–0.276)	10-575-143	\$637.17
Oxygen	3000 (20.7)	2–60 (0.0138–0.41)	540	1–40 (0.006–0.276)	10-575-144	\$612.55
Oxygen	3000 (20.7)	5–200 (0.0345–1.37)	540	1–125 (0.006–0.8)	10-575-145	\$618.71
Oxygen	3000 (20.7)	5–400 (0.0345–2.76)	540	1–325 (0.006–2.24)	10-575-146	\$1091.02
Oxygen Mix, Medical†	3000 (20.7)	2–60 (0.0138–0.41)	280	1–40 (0.006–0.276)	10-575-147	\$471.63
Oxygen Mix, Medical	3000 (20.7)	5–200 (0.0345–1.37)	280	1–125 (0.006–0.8)	10-575-148	\$471.63
Oxygen Mix, Medical	3000 (20.7)	2–60 (0.0138–0.41)	500	1–40 (0.006–0.276)	10-575-149	\$471.63
Oxygen Mix, Medical	3000 (20.7)	5–200 (0.0345–1.37)	500	1–125 (0.006–0.8)	10-575-150	\$471.63
Oxygen Mix, Industrial	3000 (20.7)	2–60 (0.0138–0.41)	296	1–40 (0.006–0.276)	10-575-151	\$572.05
Oxygen Mix, Industrial	3000 (20.7)	5–200 (0.0345–1.37)	293	1–125 (0.006–0.8)	10-575-152	\$619.41

† Includes O₂ and CO₂ (with CO₂ < 7%).

Fisher Chemical* Solvents for Chromatography

Quality and value for applications when purity matters most

- Optima LCMS Grade: Superior high-purity solvents designed to meet the requirements of advanced LC/MS systems
- GC Resolv: Suitable for high-resolution gas chromatography organic residue analysis
- Optima Grade: Packaged in specially manufactured, pre-cleaned PFA fluoropolymer bottles to protect product integrity
- HPLC Grade: Submicron filtered solvents meet all ACS specifications
- Solvents also available in Safe-Cote* bottles and 1L sizes

Fisher Chemical Optima* Solvents, LC/MS Grade

Chemical	CAS No.	Assay	Package	Cat. No.	Each
Acetonitrile	75-05-8	99.9% Min. GC	4L, EcoSafPak	A9554	\$378.67
Methanol	67-56-1	99.9% Min. GC	4L, EcoSafPak	A4564	\$131.02
Water	7732-18-5	----	4L, EcoSafPak, Amber Glass	W64	\$131.31
2-Propanol	67-63-0	99.9%	4L, Amber Glass	A461	\$150.00

Fisher Chemical GC Resolv* Solvents

Chemical	CAS No.	Assay	Package	Cat. No.	Each
Methanol	67-56-1	≥99.9%	4L, Amber Glass	A4574	\$210.83
Acetone	67-64-1	≥99.5%	4L, EcoSafPak, Amber Glass	A9284	\$186.83
Methylene Chloride	75-09-2	≥99.9%	4L, EcoSafPak, Amber Glass	D1544	\$210.77
n-Hexane	110-54-3	60-66%	4L, EcoSafPak, Amber Glass	H3074	\$203.02

Fisher Chemical Optima Grade Solvents

Chemical	CAS No.	Assay	Package	Cat. No.	Each
Methanol	67-56-1	≥99.9% by GC	4L, EcoSafPak, Amber Glass	A4544	\$121.73
2-Propanol	67-63-0	≥99.9% by GC	4L, EcoSafPak, Amber Glass	A4644	\$135.73
Acetone	67-64-1	≥99.5% by GC	4L, EcoSafPak, Amber Glass	A9294	\$143.98
Acetonitrile	75-05-8	≥99.9% by GC	4L, EcoSafPak, Amber Glass	A9964	\$349.14
Chloroform (Approx. 50ppm Amylene as Preservative)	67-66-3	≥99.9% including preservative	4L, Amber Glass	C2974	\$303.71
Petroleum Ether	8032-32-4	----	4L, EcoSafPak, Amber Glass	E1204	\$121.24
Ethyl Acetate	141-78-6	≥99.9% by GC	4L, EcoSafPak, Amber Glass	E1964	\$177.92
Hexanes	110-54-3	≥99.9% hexanes	4L, EcoSafPak, Amber Glass	H3034	\$154.90
n-Hexane, 95%	110-54-3 (n-Hexane, 95%), 107-83-5 (2-Methylpentane, 2.3%), 96-14-0 (3-Methylpentane, 1.0%)	≥95%	4L, EcoSafPak	H3064	\$190.83
Isooctane	540-84-1	≥99.0% by GC	4L, EcoSafPak, Amber Glass	O3014	\$254.49
Toluene	108-88-3	≥99.8% by GC	4L, Amber Glass	T2914	\$155.17
Tetrahydrofuran	109-99-9	≥99.9% by GC	4L, EcoSafPak, Amber Glass	T4274	\$254.69
Water	7732-18-5	----	4L, EcoSafPak, Amber Glass	W74	\$144.97

Fisher Chemical* Solvents for Chromatography (Continued)

Fisher Chemical HPLC Grade Solvents

Chemical	CAS No.	Assay	Package	Cat. No.	Each
1-Butanol	71-36-3	≥99.4%	4L, EcoSafPak, Amber Glass	A3834	\$213.30
2-Propanol	67-63-0	≥99.9%	4L, EcoSafPak, Amber Glass	A4514	\$137.52
Acetone	67-64-1	≥99.5%	4L, EcoSafPak, Amber Glass	A9494	\$139.15
Acetonitrile	75-05-8	≥99.9%	4L, EcoSafPak, Amber Glass	A9984	\$366.33
Chloroform (Approx. 0.75% Ethanol as Preservative)	67-66-3	≥99.8%	4L, EcoSafPak, Amber Glass	C6064	\$173.17
Chloroform	67-66-3	≥99.8%	4L, EcoSafPak, Amber Glass	C6074	\$199.54
Cyclohexane	110-82-7	≥99.0%	4L, Amber Glass	C6204	\$400.09
Ethyl Acetate	141-78-6	≥99.9%	4L, EcoSafPak, Amber Glass	E1954	\$149.06
Ethyl Ether Anhydrous (Stabilized)	60-29-7	≥99.0%	4L, Tin Can	E1984	\$278.86
Heptane	142-82-5 (Heptane), 108-87-2 (Methylcyclohexane, 0.2%)	≥96%	4L, EcoSafPak, Amber Glass	H3504	\$228.65
Hexanes	110-54-3	≥98.5%	4L, EcoSafPak, Amber Glass	H3024	\$146.79
Isooctane	540-84-1	≥99.0%	4L, EcoSafPak, Amber Glass	O2964	\$176.90
Methylene Chloride (Not Stabilized)	75-09-2	≥99.9%	4L, Amber Glass	D1504	\$146.70
Methylene Chloride (With Cyclohexene Preservative)	75-09-2	≥99.9%	4L, EcoSafPak, Amber Glass	D1384	\$144.86
Methylene Chloride (Stabilized)	75-09-2	≥99.9%	4L, EcoSafPak, Amber Glass	D1434	\$135.43
Methanol	67-56-1	≥99.9%	4L, EcoSafPak, Amber Glass	A4524	\$115.59
n-Butyl Chloride	109-69-3	≥99%	4L, Amber Glass	B4294	\$345.45
Pentane	109-66-0	≥99%	4L, Amber Glass	P3994	\$188.86
Alcohol	----	Ethanol 89-91%, Methanol 4.5-5.5%, 2-Propanol 4.5-5.5%	4L, EcoSafPak, Amber Glass	A9954	\$164.23
Tetrahydrofuran	109-99-9	≥99.9%	4L, EcoSafPak, Amber Glass	T4254	\$244.30
Toluene	108-88-3	≥99.8%	4L, EcoSafPak, Amber Glass	T2904	\$148.50
Water	7732-18-5	----	4L, EcoSafPak, Amber Glass	W54	\$82.61
Dimethyl Sulfoxide	67-68-5	≥99.9%	4L	D1594	\$385.61

Fisher Chemical* Silica Gel Desiccant

- Chromatographic Grade
- 60-200 Mesh
- CAS: 112926-00-8

Fisher Chemical Chromatographic Grade Desiccant

Chemical	CAS No.	Assay	Package	Cat. No.	Each
Silica Gel Desiccant (60-200 Mesh)	112926-00-8	Mesh Size Passes Test	10kg, Fiber Drum	S704-10	\$1247.89