

**Fisherbrand**<sup>®</sup>  
QUALITY. RELIABILITY. VALUE.

Glassware

*Disposable, Reusable and Specialty*



**Glassware**

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**BEAKERS**

**Fisherbrand\* Reusable Glass Low-Form Griffin Beakers**

**Slightly flared spout for steady, accurate pouring**

- Made of KG-33 borosilicate glass
- Thick, heavy construction with beaded top
- Uniform wall thickness
- Durable, matte-finish marking area for use with an ordinary pencil
- Easy-to-read white graduated double scale on all sizes from 50 to 1000mL



**FB-100-600**

**COMPLIANCE:** Designed from ASTM\* Specification E 960, Type I requirements

Capacity	Graduation Range	Graduation Interval	Cat. No.	Pack of	Case of
50mL	10 to 40mL	10mL	<b>FB-100-50</b>	12/48.72	4 Pk./149.92
100mL	20 to 80mL	10mL	<b>FB-100-100</b>	12/51.43	4 Pk./158.25
150mL	20 to 140mL	20mL	<b>FB-100-150</b>	12/49.23	4 Pk./151.48
250mL	25 to 200mL	25mL	<b>FB-100-250</b>	12/49.23	4 Pk./151.48
400mL	50 to 325mL	25mL	<b>FB-100-400</b>	12/57.86	4 Pk./178.03
600mL	50 to 500mL	50mL	<b>FB-100-600</b>	6/36.88	4 Pk./170.22
1000mL	100 to 1000mL	50mL	<b>FB-100-1000</b>	6/69.28	4 Pk./213.16

**Fisherbrand\* Reusable Glass Heavy-Duty Low-Form Beakers**

**Sturdy construction ideal for mechanical shock and other harsh applications**

- Thick uniform walls
- Evenly tooled top rim with extra wall thickness
- Spout designed for optimum performance
- Durable matte finish marking area
- White graduated scale



**COMPLIANCE:** Designed from ASTM\* Specification E 960, Type II requirements

**NOTES:** Not recommended for use on hotplates where significant thermal gradients exist due to lack of agitation of contents or absence of a temperature control.

Capacity	Graduation Range	Graduated Interval	Cat. No.	Pack of	Case of
250mL	25 to 200mL	25mL	<b>FB-101-250</b>	4/282.13	12 Pk./91.69
400mL	25 to 325mL	25mL	<b>FB-101-400</b>	4/368.03	12 Pk./119.61
600mL	50 to 500mL	50mL	<b>FB-101-600</b>	6/321.69	6 Pk./69.70
1000mL	100 to 1000mL	50mL	<b>FB-101-1000</b>	4/409.15	6 Pk./132.97
2000mL	200 to 1800mL	200mL	<b>FB-101-2000</b>	2/278.74	4 Pk./181.18
4000mL	500 to 3500mL	500mL	<b>FB-101-4000</b>	4/272.20	Ea./88.46

**Fisherbrand\* Reusable Glass Berzelius Beakers**



**Convenient tall-form design**

- Slightly flared top, reinforcing bead and pouring spout
- Durable matte finish marking area
- White scales to approximate volumes
- Made with Borosilicate glass

**COMPLIANCE:** Designed from ASTM\* Specification E960, Type III requirements

Capacity	Graduation Range	Graduation Interval	Cat. No.	Pack of	Case of
100mL	20 to 80mL	10mL	<b>FB-102-100</b>	12/60.41	4 Pk./185.88
200mL	25 to 150mL	25mL	<b>FB-102-200</b>	12/64.15	4 Pk./197.39
300mL	25 to 250mL	25mL	<b>FB-102-300</b>	12/71.61	4 Pk./220.34
400mL	25 to 325mL	25mL	<b>FB-102-400</b>	6/38.78	6 Pk./178.99
600mL	50 to 500mL	50mL	<b>FB-102-600</b>	6/55.32	4 Pk./170.23
1000mL	50 to 950mL	50mL	<b>FB-102-1000</b>	6/74.72	3 Pk./172.10

**BOTTLES: MEDIA**

**Fisherbrand\* Reusable Glass Media Bottles with Cap**



**Convenient wide opening, ideal for general use**

- Enhanced graduations
- Permanent white enamel marking spot
- GL 45 screw thread
- Clear (natural), drip-free, replaceable polypropylene pour ring
- Linerless, autoclavable (to 140°C) polypropylene cap

**FB-800-500**



Capacity	Graduation Range	Cat. No.	Price
100mL	20 to 80mL	<b>FB-800-100</b>	Cs. of 10/73.63
250mL	50 to 200mL	<b>FB-800-250</b>	Cs. of 10/81.82
500mL	100 to 400mL	<b>FB-800-500</b>	Cs. of 10/97.82
1000mL	100 to 900mL	<b>FB-800-1000</b>	Cs. of 10/118.96
2000mL	400 to 1800mL	<b>FB-800-2000</b>	31.32
5000mL	1000 to 4000mL	<b>FB-800-5000</b>	103.75
10,000mL	2000 to 8000mL	<b>FB-800-10000</b>	179.10

**Fisherbrand\* Replacement Cap for Glass Media Bottles**

Description	Cat. No.	Case of
Replacement Cap	<b>FB-800-STDCAP</b>	10/28.90

**BOTTLES: STORAGE**

For more information on Fisherbrand Storage Bottles, visit [www.fishersci.com](http://www.fishersci.com).



**Fisherbrand\* Clear Boston Rounds with Poly-Seal\*-lined Caps**

**Economical, high quality bottles for storing liquid samples**

- Type III soda lime glass
- Clear for easy viewing of contents
- Narrow mouth

**02-911-780, -752, -778, -781**



Capacity	Screw Cap Size	Cat. No.	Case of
1 oz. (30mL)	20mm-400	<b>02-911-782</b>	48/109.50
2 oz. (60mL)	20mm-400	<b>02-911-783</b>	24/53.84
4 oz. (125mL)	22mm-400	<b>02-911-784</b>	24/67.78
8 oz. (250mL)	24mm-400	<b>02-911-785</b>	12/47.96
16 oz. (500mL)	28mm-400	<b>02-911-750</b>	12/55.97
32 oz. (1000mL)	33mm-400	<b>02-911-751</b>	12/74.52

**BOTTLES: STORAGE**

**Fisherbrand\* Amber Wide-Mouth Packers with PTFE Faced PE-lined Caps**

Value priced bottles ideal for storing dry materials

- Amber glass for light-sensitive powders
- Wide mouth for easy filling and for complete removal of contents



02-911-443  
(shown without cap)

Capacity	Screw Cap Size	Cat. No.	Case of
1 oz. (30mL)	28mm-400	02-911-438	24/75.13
2 oz. (60mL)	33mm-400	02-911-439	24/88.74
4 oz. (125mL)	38mm-400	02-911-440	24/106.94
8 oz. (250mL)	45mm-400	02-911-441	24/141.99
16 oz. (500mL)	53mm-400	02-911-442	12/92.27
32 oz. (1000mL)	53mm-400	02-911-443	12/119.10
42 oz. (1250mL)	70mm-400	02-911-796	6/94.54
85 oz. (2500mL)	70mm-400	02-911-854	12/370.87

**BUBBLE COUNTER**

**Fisherbrand\* Bubble Counter**

- Fill with sulfuric acid and place between preheater and oxygen tank in combustion train
- Absorbs excess moisture and indicates oxygen flowrate
- Design prevents sulfuric acid flowback under back pressure



07-368

Cat. No.	Each
07-368	90.37

**BURETS**

**Fisherbrand\* Acid-Dispensing Burets**

**Class A**

Precision-grade buret has joint that fits into neck of reservoir bottle.

**INCLUDES:** PTFE stopcock, reservoir, and aspirator bulb.

**Fisherbrand\* Automatic Burets with Pinch Valve**

**With storage bottle**

- Insert bead into rubber tubing
- Pinch to stop the flow of liquids

**INCLUDES:** Glass buret with central filling tube, clear or amber glass reservoir bottle and delivery tip, rubber stopper, rubber bulb, glass air tube, and glass bead



03-843-1B

Capacity	Subdivision	Reservoir Capacity	Cat. No.	Each
<b>With clear glass reservoir</b>				
10mL	0.10mL	500mL	03-843-1A	233.46
25mL	0.10mL	500mL	03-843-1B	209.08
<b>With amber glass reservoir</b>				
10mL	0.10mL	500mL	03-843-2A	267.79
25mL	0.10mL	500mL	03-843-2B	178.19

**BURETS**

**Fisherbrand\* Clear Automatic Replacement Burets for 03-842 Series**

For 03-842-1 and 03-842-2 Series. With glass stopcocks.



Capacity	Cat. No.	Each
10mL	03-842-3A	190.60
25mL	03-842-3B	223.16

**Fisherbrand\* Automatic Burets with Stopcock**

**Ideal for storing standard solutions**

**INCLUDES:** Clear or amber glass reservoir bottle, rubber stopper, one glass buret with central filling tube, rubber bulb, glass and rubber tubing connections, and glass stopcock.



03-842-1B

Capacity	Subdivision	Reservoir Capacity	Cat. No.	Each
<b>With clear glass reservoir</b>				
10mL	0.10mL	500mL	03-842-1A	209.08
25mL	0.10mL	500mL	03-842-1B	205.86
<b>With amber glass reservoir</b>				
25mL	0.10mL	500mL	03-842-2B	206.16

**Fisherbrand\* Automatic Burets for Petroleum Neutralization**

**Class A**

- Borosilicate glass construction

**INCLUDES:** PTFE fluorocarbon resin stopcock, reagent bottle and aspirator bulb.

**COMPLIANCE:** Meet ASTM\* D 974



03-845 Series

Capacity	Subdiv.	Tolerance	Reservoir Capacity	Joint No.	Cat. No.	Each
5mL	0.02mL	±0.01mL	1000mL	24/40	03-845AAT	488.40
10mL	0.05mL	±0.02mL	1000mL	24/40	03-845AT	454.63
25mL	0.10mL	±0.03mL	1000mL	24/40	03-845BBT	520.26
50mL	0.10mL	±0.05mL	2000mL	29/42	03-845BT	594.84

**BURETS**

**Fisherbrand\* Dispensing Buret**

For educational and routine use

With straight glass stopcock.



03-790A

Capacity	Subdivision	Cat. No.	Each	Case of 6
250mL	1mL	03-790A	308.42	1586.11

**Fisherbrand\* Schellbach Burets**

With straight glass stopcock

- Accentuate meniscus for easy reading
- Accuracy established within the limits of error allowed by NIST\*

*Inset shows top configuration.*



03-740 Series

Capacity	Subdivision	Tolerance	Cat. No.	Each	Case of 6
25mL	0.10mL	±0.06mL	03-740A	147.39	12/1503.25
50mL	0.10mL	±0.10mL	03-740B	138.77	12/1415.68
100mL	0.20mL	±0.20mL	03-740C	172.79	6/881.32

**Fisherbrand\* Machlett Automatic Burets**

Class A

- Gravity filling eliminates errors and guards against deterioration of liquids affected by air
- Half turn of PTFE-plug stopcock fills buret; another half turn dispenses liquid
- Overflow is automatically drawn back into reservoir through tube connecting reservoir with overflow tube
- With stopcock handle in horizontal position, all action stops
- Single air intake on reservoir neck is protected by drying tube, which removes moisture from incoming air
- Can be used in multiples by connecting central storage vessel to each reservoir neck opening—when used in this way, detachable drying tube is placed on storage vessel



03-847-1 Series

*Inset shows top configuration.*

Capacity	Subdivision	Tolerance	Reservoir Capacity	Cat. No.	Each
2mL	0.01mL	±0.01mL	500mL	03-847-1A	388.56
5mL	0.02mL	±0.01mL	1000mL	03-847-1B	446.97
10mL	0.05mL	±0.02mL	1000mL	03-847-1C	446.93
25mL	0.10mL	±0.03mL	2000mL	03-847-1D	487.70
50mL	0.10mL	±0.05mL	2000mL	03-847-1E	542.41

**Fisherbrand\* Schellbach Burets with Three-Way Stopcock**

Automatic zeroing

- Tip located in overflow cup with drain at side
- Calibrated to a tip at top
- Black graduations with Schellbach stripe

*Inset shows top configuration.*

**COMPLIANCE:** Meet ASTM\* E 287



03-750C

Capacity	Subdivision	Tolerance	Cat. No.	Each	Case of 6
25mL	0.10mL	±0.06mL	03-750A	351.91	1804.66
50mL	0.10mL	±0.10mL	03-750B	334.44	1715.11
100mL	0.20mL	±0.20mL	03-750C	395.92	2030.34

**CELLS**

**Fisherbrand\* by Hellma Quartz, Silica and Glass Standard Cells for Spectrophotometers**

Available with a variety of window materials for wide range of assays



14-385-910C

Lightpath	Capacity	Height	With	Cat. No.	Pack of
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**With Suprasil\* 300 quartz windows**

1mm	0.3mL	45mm	Glass cover	14-385-906A	2/516.43
10mm	3.0mL	45mm	PTFE cover	14-385-906C	2/440.43
10mm	3.0mL	45mm	PTFE cover	14-385-908C	4/875.14
10mm	3.0mL	46mm	PTFE stopper	14-385-908D	4/1252.43

**With Suprasil quartz windows**

1mm	0.3mL	45mm	Glass cover	14-385-902A	2/415.00
5mm	1.5mL	45mm	PTFE cover	14-385-902B	2/409.14
10mm	3.0mL	45mm	PTFE cover	14-385-902C	2/358.57
10mm	3.0mL	45mm	PTFE cover	14-385-904C	4/711.43
10mm	3.0mL	46mm	PTFE stopper	14-385-904D	4/1055.43

**With standard silica windows**

10mm	3.0mL	45mm	PTFE cover	14-385-910C	2/286.97
10mm	3.0mL	45mm	PTFE cover	14-385-912C	4/568.29

**With near-UV glass windows**

10mm	3.0mL	45mm	PTFE cover	14-385-910A	2/180.29
10mm	3.0mL	45mm	PTFE cover	14-385-912A	4/354.86

**With optical glass windows**

10mm	3.0mL	45mm	PTFE cover	14-385-910B	2/92.86
10mm	3.0mL	45mm	PTFE cover	14-385-912B	4/180.29

**Fisherbrand\* by Hellma Quartz Fluorescence Cells for Spectrophotometers**

Fluorescence cells with optically polished sides and bottom



14-385-918A

Lightpath	Capacity	Height	With	Cat. No.	Pack of
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**With Suprasil\* quartz windows**

10mm	3.0mL	45mm	PTFE cover	14-385-918A	2/581.00
10mm	3.0mL	45mm	PTFE cover	14-385-920A	4/1156.29
10mm	3.0mL	46mm	PTFE stopper	14-385-918B	2/736.71

**Fisherbrand\* by Hellma Quartz and Glass Micro Cells for Spectrophotometers**

Micro cells with 2mm inside width.



14-385-927B

Lightpath	Capacity	Height	With	Cat. No.	Pack of
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**With Suprasil\* quartz windows**

10mm	0.5mL	25mm	PTFE cover	14-385-927B	2/380.57
10mm	0.5mL	45mm	PTFE cover	14-385-928A	2/569.43

**With Suprasil windows and black quartz sidewalls**

10mm	0.5mL	45mm	PTFE cover	14-385-928B	2/877.54
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**With near-UV glass windows**

10mm	0.5mL	25mm	PTFE cover	14-385-927A	2/204.31
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**Fisherbrand\* by Hellma Quartz Semimicro Cells for Spectrophotometers**

Semimicro cells with 4mm inside width.



14-385-914A

Lightpath	Capacity	Height	With	Cat. No.	Pack of
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**With Suprasil\* quartz windows**

10mm	1.0mL	45mm	PTFE cover	14-385-914A	2/427.71
10mm	1.0mL	45mm	PTFE cover	14-385-916A	4/849.71
10mm	1.0mL	46mm	PTFE stopper	14-385-914B	2/600.57

**Fisherbrand\* by Hellma Quartz Ultramicro Cells**

Available with a variety of window materials for wide range of assays

- 8.5mm center height fits most Beckman\* Instruments and Spectronic\* spectrophotometers
- 15.0mm cells fit most Hewlett-Packard\*, Perkin-Elmer\*, Shimadzu\*, Unicam\* and GBC spectrophotometers
- Choose correct center height such that optical aperture matches center position of light beam



14-385-928E

Lightpath	Center Height	Capacity	Outside Height	With	Cat. No.	Each
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**Self-masking black quartz with Suprasil\* windows**

10mm	8.5mm	100µL	45mm	PTFE stopper	14-385-928C	551.71
10mm	15mm	100µL	45mm	PTFE stopper	14-385-928D	551.71
10mm	8.5mm	50µL	45mm	PTFE stopper	14-385-928E	551.71
10mm	15mm	50µL	45mm	PTFE stopper	14-385-928F	551.43

**CELLS**

**Fisherbrand\* by Hellma Black Self-Masking Quartz Micro Flow Cells**

**Choose from two styles**

- All cells are 12.5mm square
- Cell chamber is completely surrounded by opaque black quartz, eliminating the need to mask the instrument light beam
- Wavelength range for all cells is 190 to 2600nm and 2850 to 3600nm

**Compact Cells**

- 35mm high
- Two screw connectors (M 6 x 1)
- Flanged FEP tubing (O.D. 1.9mm, I.D. 1.1mm x 500mm long)

**Standard Cells**

- Fused-on inlet and outlet tubes



14-385-926A

**ORDERING INFORMATION:** Select cells with center height appropriate to match the cell aperture center with the center position of the light beam in your spectrophotometer. Example: center height is 8.5mm for Beckman\* or Spectronic\* instruments; center height is 15mm for Hewlett-Packard\*, Perkin-Elmer\*, and Shimadzu\* instruments.

Lightpath	Capac.	Outside Height	Center Height	Aperture	Cat. No.	Each
<b>Compact Cells</b>						
0.1mm	6.2µL	35mm	----	17.5 x 3.5mm	14-385-933B	1480.29
0.2mm	12.4µL	35mm	----	17.5 x 3.5mm	14-385-933C	1480.29
0.5mm	31µL	35mm	----	17.5 x 3.5mm	14-385-933D	1480.29
1.0mm	62µL	35mm	----	17.5 x 3.5mm	14-385-933E	1150.86
2.0mm	124µL	35mm	----	17.5 x 3.5mm	14-385-933F	1150.86
5mm	195µL	35mm	8.5mm	11 x 3.5mm	14-385-933G	1276.57
5mm	195µL	35mm	15mm	11 x 3.5mm	14-385-933H	1276.57
10mm	390µL	35mm	8.5mm	11 x 3.5mm	14-385-933J	814.86
10mm	390µL	35mm	15mm	11 x 3.5mm	14-385-933K	814.86
10mm	80µL	35mm	8.5mm	3mm dia.	14-385-933L	836.00
10mm	80µL	35mm	15mm	3mm dia.	14-385-933M	836.00
<b>Standard Cells</b>						
10mm	750µL	45mm	15mm	11 x 6.5mm	14-385-926A	581.71
10mm	450µL	45mm	15mm	11 x 4mm	14-385-926B	581.71

**Fisherbrand\* by Hellma Cylindrical Cells**

Cylindrical cells have a filler neck and tapered PTFE stopper (two necks and stoppers on 50 and 100mm lightpath cells).

- Uniform diameter of 22mm
- Fit standard cell holders
- Available with Suprasil\* quartz or near-UV glass windows



14-385-932E

Lightpath	Capacity	No. of Stoppers	Cat. No.	Pack of 2
<b>With Suprasil quartz windows</b>				
10mm	3.1mL	1	14-385-930C	476.71
20mm	6.3mL	1	14-385-930D	494.00
50mm	16mL	2	14-385-930E	672.14
100mm	31mL	2	14-385-930F	739.71
<b>With near-UV glass windows</b>				
10mm	3.1mL	1	14-385-932C	322.14
20mm	6.3mL	1	14-385-932D	336.57
50mm	16mL	2	14-385-932E	402.86
100mm	31mL	2	14-385-932F	450.00

**Fisher Scientific\* Electrophotometer II Colorimeter Standard Absorption Cell**

**Supplied with instrument**

23mL capacity; 23mm pathlength.

Cat. No.	Pack of 6
07-102	64.07

**Fisherbrand\* Cell Washer**

**Single- or double-cell capacity**

Use with filter flask (not included) to quickly and safely clean either one 10mm cell or two 10mm cells simultaneously.



14-385-946B

Capacity	Cat. No.	Each
Single Cell	14-385-946A	182.86
Double Cell	14-385-946B	260.57

**CONDENSERS**

**Fisherbrand\* Cold Finger Condenser**

**For boiling nitric acid test (corrosion-resistant steels)**

- Borosilicate glass
- Overall length, 170mm; Body diameter, 47.6mm

**COMPLIANCE:** Meets ASTM\* A 262-98.



07-746

Cat. No.	Each
07-746	91.57

**CYLINDERS: TO CONTAIN**

**Fisherbrand\* Serialized Class A Cylinders with Certificate of Traceability**

**Calibrated “To Contain”**

**INCLUDES:** Certificate indicates that cylinder is individually calibrated and certified against equipment whose calibration is traceable to the National Institute of Standards and Technology (NIST); lists the weight set used, the test number, and the date of testing. Traceability Certification and Certificates of Calibration that list apparent volumes and calibration correction factors.



08-559E, 08-559D

**Fisherbrand\* Serialized Class A Cylinders with Certificate of Traceability**

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
10mL	0.1mL	±0.10mL	140mm	08-559A	76.07	6/403.89
25mL	0.5mL	±0.17mL	140mm	08-559B	85.93	6/456.26
50mL	1mL	±0.25mL	190mm	08-559C	91.12	6/483.80
100mL	1mL	±0.50mL	260mm	08-559D	88.33	6/468.97
250mL	2mL	±1.00mL	330mm	08-559E	100.04	4/354.13
500mL	5mL	±2.00mL	375mm	08-559F	120.95	4/413.50
1000mL	10mL	±3.00mL	460mm	08-559G	147.14	2/251.53
2000mL	20mL	±6.0mL	520mm	08-559H	215.34	----

**Fisherbrand\* Serialized Class A Graduated Cylinders with Certificate of Calibration**

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
10mL	0.1mL	±0.10mL	140mm	08-559AC	245.92	6/1261.15
25mL	0.5mL	±0.17mL	140mm	08-559BC	253.16	6/1298.24
50mL	1mL	±0.25mL	190mm	08-559CC	251.18	6/1288.12
100mL	1mL	±0.50mL	260mm	08-559DC	----	6/1319.77
250mL	2mL	±1.0mL	330mm	08-559EC	294.49	4/1006.79
500mL	5mL	±2.0mL	375mm	08-559FC	284.68	4/973.29
1000mL	10mL	±3.0mL	460mm	08-559GC	594.00	----
2000mL	20mL	±6.0mL	520mm	08-559HC	364.96	----

**Fisherbrand\* Standard Class B Graduated Cylinders**

**Calibrated “To Contain”**

- White-ceramic graduations
- Heavy round bases (except 2000mL size, which has molded hexagonal base)
- Handy pouring spouts
- Accuracy is assured even at the lowest graduations

**COMPLIANCE:** 100mL size meets ASTM\* E 133 requirements

Used in ASTM tests D 86 and D 447

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
10mL	0.2mL	±0.2mL	140mm	08-557-1A	37.25	12/382.06
25mL	0.5mL	±0.34mL	140mm	08-557-1B	22.68	18/348.86
50mL	1mL	±0.5mL	190mm	08-557-1C	21.69	18/276.98
100mL	1mL	±1.0mL	260mm	08-557-1D	25.16	12/201.37
250mL	2mL	±2.0mL	330mm	08-557-1E	37.44	12/383.97
500mL	5mL	±4.0mL	375mm	08-557-1F	47.96	8/291.88
1000mL	10mL	±6.0mL	460mm	08-557-1G	70.20	4/248.49
2000mL	20mL	±12mL	520mm	08-557-1H	123.03	4/420.62

**Fisherbrand\* Class B Cylinders with Single English Scale, Graduated in Ounces**

- Accuracy assured even at lowest graduations. Zero at bottom.
- Calibrated “To Contain.”



08-563C

Capac.	Subdiv.	Tol.	Cat. No.	Each
4 oz.	1/16 oz.	±0.3 dr.	08-563B	33.95
8 oz.	1/8 oz.	±0.7 dr.	08-563C	45.91
16 oz.	1/4 oz.	±1.0 dr.	08-563D	64.28
32 oz.	1/2 oz.	±1.5 dr.	08-563E	99.32

**Fisherbrand\* Class B Mixing Cylinders**

**Calibrated “To Contain”**

- Double metric scale
- White-enamel graduations
- Ground-glass pennyhead stoppers
- First 10% of volume not graduated



08-565E

Capac.	Subdiv.	Tol.	Cat. No.	Each	Case of
10mL	0.2mL	±0.1mL	08-565A	79.99	12/662.02
25mL	0.5mL	±0.3mL	08-565B	110.75	12/916.58
50mL	1mL	±0.4mL	08-565C	122.57	12/1014.29
100mL	1mL	±0.6mL	08-565D	124.01	12/1026.27
250mL	2mL	±1.4mL	08-565E	209.70	6/867.68
500mL	5mL	±2.6mL	08-565F	238.05	6/985.02



**CYLINDERS: TO DELIVER**

**Fisherbrand® Serialized Class A Cylinders with Certificate of Traceability**

**Calibrated “To Deliver”**

**INCLUDES:** Certificate that indicates cylinder is individually calibrated and certified against equipment whose calibration is traceable to the National Institute of Standards and Technology (NIST); lists the weight set used, the test number, and the date of testing



08-557F

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
10mL	0.1mL	±0.10mL	175mm	08-557A	76.22	6/404.69
25mL	0.2mL	±0.17mL	200mm	08-557B	82.92	6/440.27
50mL	1mL	±0.25mL	225mm	08-557C	84.12	6/446.65
100mL	1mL	±0.50mL	255mm	08-557D	90.93	6/482.80
250mL	2mL	±1.00mL	330mm	08-557E	103.29	4/365.63
500mL	5mL	±2.0mL	375mm	08-557F	123.79	4/423.19
1000mL	10mL	±3.0mL	460mm	09-730-30	145.78	2/249.20
2000mL	20mL	±6.0mL	520mm	08-557H	213.91	----

**Fisherbrand® Serialized Class A Cylinders with Certificate of Calibration**

**Calibrated “To Deliver”**

**INCLUDES:** Individual fused-in serial numbers and, in addition to traceability certification, are supplied with Certificates of Calibration that list apparent volumes and calibration correction factors



08-557AC, 08-557DC

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
10mL	0.1mL	±0.10mL	175mm	08-557AC	247.83	6/1270.89
25mL	0.2mL	±0.17mL	200mm	08-557BC	252.49	6/1294.79
50mL	1mL	±0.25mL	225mm	08-557CC	253.13	6/1298.05
100mL	1mL	±0.40mL	255mm	08-557DC	258.57	6/1325.95
250mL	2mL	±0.50mL	330mm	08-557EC	280.67	4/959.55
500mL	5mL	±1.0mL	375mm	08-557FC	285.59	4/976.37
1000mL	10mL	±6.0mL	460mm	09-730-31	348.52	2/595.77
2000mL	20mL	±2.0mL	520mm	08-557HC	364.96	----

**Fisherbrand® Standard Class B Graduated Cylinders**

**Calibrated “To Deliver”**

- White-ceramic graduations
- Heavy round bases
- Handy pouring spouts
- Accuracy is assured even at the lowest graduations; first 10% volume is not graduated

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
5mL	0.1mL	±0.1mL	120mm	08-550A	18.67	36/537.85
10mL	0.2mL	±0.20mL	140mm	08-550B	16.64	36/431.72
25mL	0.5mL	±0.34mL	140mm	08-550C	24.23	36/698.03
50mL	1mL	±0.50mL	190mm	08-550D	27.33	36/787.22
100mL	1mL	±1.00mL	260mm	08-550E	32.62	36/939.34
250mL	2mL	±2.0mL	330mm	08-550F	41.36	18/512.89
500mL	5mL	±4.0mL	375mm	08-550G	59.12	12/509.41
1000mL	10mL	±6.0mL	460mm	08-550H	73.67	8/521.59
2000mL	20mL	±12.0mL	520mm	08-550J	121.72	6/624.22

**Fisherbrand® Class B Cylinders with Single Amber Metric Scale**

**Calibrated “To Deliver”**

- Ideal for use with light-colored liquids
- Dark amber graduations provide contrast for easy readings
- Heavy round bases and pouring spouts
- Accuracy is assured even at lowest graduations; first 10% of volume is not graduated



08-570E

**COMPLIANCE:** Designed from ASTM\* E 1272, Style 1, Class B requirements.

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
5mL	0.1mL	±0.1mL	120mm	08-570A	18.25	36/525.99
10mL	0.2mL	±0.20mL	140mm	08-570B	16.90	36/437.51
25mL	0.5mL	±0.34mL	140mm	08-570C	24.50	36/705.56
50mL	1mL	±0.50mL	190mm	08-570D	27.61	36/795.07
100mL	1mL	±1.00mL	260mm	08-570E	32.94	36/948.90
250mL	2mL	±2.0mL	330mm	08-570F	41.80	18/517.70
500mL	5mL	±4.0mL	375mm	08-570G	59.72	12/515.09
1000mL	10mL	±6.0mL	460mm	08-570H	73.32	8/519.05
2000mL	20mL	±12.0mL	520mm	08-570J	122.90	6/630.27

**Fisherbrand® Class B Cylinders with Double Metric Scales**

**Calibrated “To Deliver”**

- Two sets of white ceramic graduations for reading up or down
- Heavy base
- Pouring lip
- Accuracy assured even at lowest graduations; first 10% of volume at bottom is not graduated



08-555D

Capac.	Subdiv.	Tol.	Cat. No.	Each	Case of
10mL	0.2mL	±0.20mL	08-555A	17.38	36/430.20
25mL	0.5mL	±0.34mL	08-555B	23.82	36/686.00
50mL	1mL	±0.50mL	08-555C	20.87	36/513.46
100mL	1mL	±1.00mL	08-555D	24.73	36/606.77
250mL	2mL	±2.0mL	08-555E	38.05	18/481.39
500mL	5mL	±4.0mL	08-555F	50.40	12/424.91
1000mL	10mL	±6.0mL	08-555G	65.58	8/370.34

**Fisherbrand® Low-Form Cylinders with Double Metric Scales**

**Calibrated “To Deliver”**

- Two white scales for reading up or down
- Accuracy assured even at lowest graduations
- Won't easily tip
- Two pouring lips



08-562A

Capac.	Subdiv.	Tol.	Approx. Height	Cat. No.	Each	Case of
50mL	1mL	±1.5mL	145mm	08-562A	36.13	370.52
100mL	2mL	±1.5mL	150mm	08-562B	40.72	417.56

**CYLINDERS: SPECIAL PURPOSE**

**Fisherbrand\* Cylinder for Petroleum Distillations**

100mL, in 1mL subdivisions. For use as receivers with distillation units.

**COMPLIANCE:** Meets ASTM\* E 133, D 850 and D 86 specifications.



08-558

Capac.	Cat. No.	Each	Case of 12
100mL	08-558	35.47	360.04

**Fisherbrand\* Borosilicate Cylinders without Pouring Lip**

**Ungraduated**

- Heavy-wall construction resists breakage
- Fused round base
- For use with hydrometers



08-535C

Approx. Capac.	O.D.	Approx. Height		Cat. No.	Each	Case of
		Inside	Outside			
50mL	25mm	140mm	150mm	08-535A	15.61	6/80.01
125mL	41mm	135mm	150mm	08-535B	25.45	24/488.49
175mL	41mm	185mm	200mm	08-535C	22.49	24/432.03
225mL	41mm	235mm	250mm	08-535E	38.04	24/730.30
500mL	51mm	285mm	300mm	08-535F	36.76	18/565.40
620mL	51mm	360mm	375mm	08-535G	40.49	18/622.92

**Fisherbrand\* Borosilicate Cylinders with Pouring Lip**

**Ungraduated**

- Heavy-wall construction resists breakage
- Fused round base
- For use with hydrometers



08-530F

Approx. Capac.	O.D.	Approx. Height		Cat. No.	Each	Case of
		Inside	Outside			
25mL	25mm	115mm	125mm	08-530A	14.18	24/272.25
50mL	25mm	140mm	150mm	08-530B	14.82	24/284.74
125mL	41mm	135mm	150mm	08-530C	16.46	24/316.03
175mL	41mm	185mm	200mm	08-530E	19.10	24/366.75
225mL	41mm	235mm	250mm	08-530F	23.06	36/664.20
275mL	41mm	285mm	300mm	08-530G	25.78	18/396.55
300mL	41mm	310mm	325mm	08-530J	27.48	12/281.89
350mL	41mm	360mm	375mm	08-530K	27.45	12/281.53
500mL	51mm	285mm	300mm	08-530H	28.97	12/297.14
600mL	51mm	360mm	375mm	08-530L	34.59	12/354.82
1000mL	64mm	440mm	460mm	09-730-32	41.51	----
2000mL	82.5mm	500mm	520mm	09-730-33	85.85	----

**DESICCATORS**

**Fisher Scientific\* Heavy Glass Desiccators**

- Apply grease to internal edges of flanges
- Press lid on jar and rotate at least 360° to ensure airtight seal
- Rim in lower portion of jar holds sample plate over desiccant



08-595 Series

**INCLUDES:** Cover

**REQUIRES:** Desiccant plate

I.D.	Uses Plate	Cat. No.	Each
100mm	95mm	08-595A	83.04
125mm	115mm	08-595B	98.08
150mm	142mm	08-595C	113.07
200mm	190mm	08-595D	188.04
250mm	230mm	08-595E	230.29

**Fisher Scientific\* Desiccator with Porcelain Plate**

- Similar to 08-595 Series
- Desiccant-holding chamber has straight sides
- Sample plate has 5mm center hole, glaze on one side, and no feet



08-615 Series

**INCLUDES:** Cover and porcelain plate (08-641 Series)

I.D.	Cat. No.	Each
200mm	08-615A	219.66
250mm	08-615B	253.64

**Fisherbrand\* Polypropylene Desiccator Plates**

**Unbreakable, economical**

- Without feet
- Outside rim is flanged to increase rigidity and retard sliding

**ORDERING INFORMATION:**  
Thickness: 6mm; center hole: 3/4" (2cm)



08-643-2 Series

Plate Dia.	Hole Dia.	No. Holes	Cat. No.	Each	Case of 10
140mm	6mm	24	08-643-2A	21.21	176.29
190mm	11mm	24	08-643-2B	25.39	211.91
238mm	14mm	32	08-643-2C	28.74	243.51

**EVAPORATOR TRAPS**

**Fisher Scientific\* Rotary Evaporator Trap with Drain Holes**



K5702050124

Capacity	Standard Taper Joint No. (Inner Bottom)	Standard Taper Joint No. (Outer Top)	Mfr. No.	Cat. No.	Each
100mL	14/20 Joint	24/40 top outer joint	570205-0114	<b>K5702050114</b>	135.80
100mL	19/22 Joint	24/40 top outer joint	570205-0119	<b>K5702050119</b>	135.80
100mL	24/40 Joint	24/40 top outer joint	570205-0124	<b>K5702050124</b>	135.80
1000mL	24/40 Joint	24/40 top outer joint	570205-1024	<b>K5702051024</b>	142.52
250mL	14/20 Joint	24/40 top outer joint	570205-2514	<b>K5702052514</b>	139.19
250mL	24/40 Joint	24/40 top outer joint	570205-2524	<b>K5702052524</b>	139.19

**Fisher Scientific\* Rotary Evaporator Trap with Square Joint Bead, with Drain Holes**

Capacity	Standard Taper Joint No. (Inner Bottom)	Standard Taper Joint No. (Outer Top)	Mfr. No.	Cat. No.	Each
100mL	14/20 bottom inner joint	24/40 top outer joint	570265-0114	<b>K5702650114</b>	135.80
100mL	24/40 bottom inner joint	24/40 top outer joint	570265-0124	<b>K5702650124</b>	135.80

**FLASKS: BOILING**

**Fisherbrand\* Reusable Glass Flat-Bottom Boiling Flasks**

**Rugged short neck**

- Features short 24/40 Joint



FB-200-125

**COMPLIANCE:** Designed from ASTM\* Specification E 1403, Type I, Class 4 requirements

Capacity	Outside Diameter	Height	Cat. No.	Each	Case of 12
125mL	65mm	115mm	<b>FB-200-125</b>	30.62	282.67
250mL	83mm	133mm	<b>FB-200-250</b>	30.31	279.82
500mL	102mm	155mm	<b>FB-200-500</b>	33.76	311.64

**Fisherbrand\* Reusable Glass Round-Bottom Boiling Flasks with Joint**



**Feature full length 24/40 Joint**

- Accept 4195R stopper

**COMPLIANCE:** Designed from ASTM\* Specification E 1403, Type II, Class 3 requirements

Capacity	Outside Diameter	Height	Cat. No.	Pack of 2	Case of 6 Packs
100mL	63mm	115mm	<b>FB-201-100</b>	56.33	259.97
250mL	83mm	140mm	<b>FB-201-250</b>	58.92	271.95
500mL	102mm	160mm	<b>FB-201-500</b>	64.88	299.44
1000mL	130mm	190mm	<b>FB-201-1000</b>	73.68	340.05

**FLASKS: ERLLENMEYER**

**Fisherbrand\* Reusable Glass Narrow-Mouth Erlenmeyer Flasks**

Useful in measuring and mixing solutions where a high degree of accuracy is not necessary



FB-500-500

- Reinforced top tooled with a rounded finish
- Thick-walled body
- Long, tapered outside contour minimizes chipping
- White ceramic enamel marking spot
- Capacity scale indicates approximate volume

**COMPLIANCE:** Designed from ASTM\* Specification E 1404, Type 1, Class 1 requirements

**Narrow-mouth**

Capacity	Stopper No.	Graduated Interval	Cat. No.	Pack of	Case of
25mL	0	10 to 25mL	<b>FB-500-25</b>	12/60.50	4/186.16
50mL	1	20 to 50mL	<b>FB-500-50</b>	12/60.50	4/186.16
125mL	5	50 to 125mL	<b>FB-500-125</b>	12/57.83	4/177.95
250mL	6	50 to 225mL	<b>FB-500-250</b>	12/59.91	4 Pk./184.34
500mL	7	100 to 500mL	<b>FB-500-500</b>	6/37.74	6 Pk./174.19
1000mL	9	250 to 1000mL	<b>FB-500-1000</b>	6/61.32	4/188.68
2000mL	10	600 to 2000mL	<b>FB-500-2000</b>	4/95.30	2/146.62
4000mL	10	1000 to 4000mL	<b>FB-500-4000</b>	----	75.73
6000mL	10	1500 to 6000mL	<b>FB-500-6000</b>	----	139.29

**Wide-mouth**

Capacity	Graduated Interval	Stopper No.	Approx. Outside Diameter	Approx. Height	Cat. No.	Pack of	Case of
125mL	50 to 125mL	6	66mm	108mm	<b>FB-501-125</b>	12/67.81	4 Pk./208.65
250mL	50 to 225mL	8	77mm	130mm	<b>FB-501-250</b>	12/72.14	4 Pk./221.98
500mL	100 to 500mL	10	97mm	172mm	<b>FB-501-500</b>	6/45.44	6 Pk./209.73
1000mL	250 to 1000mL	11	122mm	216mm	<b>FB-501-1000</b>	6/75.82	4 Pk./233.30
2000mL	600 to 2000mL	13	161mm	265mm	<b>FB-501-2000</b>	4/94.73	2 Pk./145.74

**FLASKS: FILTER**

**Fisherbrand® Reusable Heavy-Wall Filter Flasks**

With heavier walls than standard Erlenmeyer flasks

- Side tubulation
- Capacity scale
- Designed to take 1 atmosphere of vacuum or 20" of mercury
- Sizes 125mL through 500mL have side hose connection designed to accept 0.31" I.D. flexible tubing
- Sizes 1000mL and larger accept 0.38" I.D. tubing

**COMPLIANCE:** Designed from ASTM\* Specification E 1406, Type II, Class I requirements



FB-300-2000

Capacity	Stopper No.	Graduation Range	Inside Diameter	Outside Diameter	Height	Cat. No.	Pack of	Case of
250mL	6	75 to 250mL	25mL	83mm	163mm	FB-300-250	6/118.63	3 Pk./273.77
500mL	7	150 to 500mL	50mL	104mm	190mm	FB-300-500	6/207.76	3 Pk./479.45
1000mL	8	300 to 1000mL	50mL	135mm	238mm	FB-300-1000	6/327.88	2 Pk./504.43
2000mL	9	600 to 2000mL	100mL	168mm	300mm	FB-300-2000	1/85.65	----
4000mL	12	1000 to 4000mL	250mL	208mm	380mm	FB-300-4000	1/125.81	----

**FLASKS: VOLUMETRIC**

**Fisherbrand® Reusable Glass Class A Volumetric Flasks with Stopper**

Single graduation ring blasted on the neck

- Calibrated "To Contain"

**INCLUDES:** 41900R ground glass stopper with marking spot

**COMPLIANCE:** Designed from ASTM\* Specification E 288, Class A unserialized requirements



FB-400-200

**Fisherbrand® Reusable Glass Class A Volumetric Flasks with Snap Caps**

Class A accuracy—without a serial number

- Calibrated "To Contain"

**INCLUDES:** 28150R polyethylene snap cap

**COMPLIANCE:** Designed from ASTM\* Specification E 288



FB-401-10

Capacity	Stopper No.	Cat. No.	Price	Case of	Capacity	Stopper No.	Cat. No.	Each	Pack of
10mL	9	FB-400-10	----	12/290.66	10mL	2	FB-401-10	----	12/209.64
200mL	16	FB-400-200	6/270.94	2 Pk./416.82	2000mL	8	FB-401-2000	81.45	4/250.62
2000mL	27	FB-400-2000	92.57	4/284.84	25mL	16	10-200A	59.03	12/488.43
25mL	9	10-205A	95.32	12/788.93	50mL	16	10-200B	59.10	12/489.05
50mL	9	10-205B	113.72	12/941.06	100mL	16	10-200C	66.69	12/551.91
100mL	13	10-205C	111.29	12/921.06	200mL	16	10-200D	73.24	12/606.18
250mL	16	10-205D	129.68	12/1073.22	250mL	16	10-200E	77.36	12/640.27
500mL	19	10-205E	210.79	12/1744.49	500mL	16	10-200F	99.85	12/826.37
1000mL	22	10-205F	254.27	4/701.48	1000mL	16	10-200G	124.00	4/342.08

**FUNNELS**

**Fisherbrand® Reusable Glass Funnels**

Promote faster, more effective filtering

- Constructed with heavy uniform walls, molded rims and fire polished stems
- Formed to a 58° angle for rapid filtration
- Cone is suspended by its up-permost edge, leaving most of the conical area for filtration
- High resistance to chemical attack, mechanical and thermal shock



FB-601-5865

**COMPLIANCE:** Designed from ASTM\* Specification E 1095, Type I, Class B requirements

**Fisherbrand® Reusable Glass Long-Stem Funnels**

Top Dia.	Stem Dia.	Stem Length	Fits Paper Size	Capacity	Cat. No.	Pack of	Case of 4 Pack
65mm	8mm	150mm	110mm	60mL	FB-600-5865	12/110.84	341.03

**Fisherbrand® Reusable Glass Short-Stem Funnels**

Top Dia.	Stem Dia.	Stem Length	Fits Paper Size	Capacity	Cat. No.	Pack of	Case of 4 Pk.
45mm	6.5mm	50mm	70mm	19mL	FB-601-5845	6/46.05	141.69
65mm	8mm	63mm	110mm	60mL	FB-601-5865	12/143.36	441.11
75mm	8mm	75mm	125mm	90mL	FB-601-5875	12/154.91	476.63
100mm	9mm	97mm	185mm	225mL	FB-601-58100	6/100.17	308.23

**Fisherbrand® Weighing Funnels**

Weighing dish and sample transfer funnel in one

- Borosilicate glass funnels with tapered pouring necks aid microtransfer of solids and liquids
- No rocking or moving while weighing—flat bottom keeps funnel steady while on balance
- Use in temperatures to 454°C (849°F)



14-353D

**ORDERING INFORMATION:** Assortment pack of five includes one each of the following (diameter × L): 10 × 35mm, 15 × 40mm, 20 × 45mm, 25 × 55mm and 32 × 68mm

Dia. × L	Cat. No.	Pack of 5
15 × 40mm	14-353B	67.17
25 × 55mm	14-353D	79.38
Assortment Pack	14-353F	88.01

**PIPETS: DROPPING**

**Fisherbrand® Glass Medicine Droppers**

Inexpensive pipets with either straight or curved tips and tapered synthetic rubber bulbs



14-955-217

Glass Tube Length	Capacity	Cat. No.	Pack of 144	Case of 10 Pk.
3" (76mm)—straight	2mL	14-955-215	70.71	619.75
4" (102mm)—straight	2.5mL	14-955-216	74.25	432.46
3" (76mm)—curved	2mL	14-955-217	70.71	518.90
4" (102mm)—curved	2.5mL	13-678-103	----	810.09

**PIPETS: MEASURING**

**Fisherbrand® Measuring (Mohr) Long-Tip Pipets**

Long, tapered delivery tips fit easily into small vials, tubes, or cuvetts

Graduations are visible when pipets are in small vials.

**COMPLIANCE:** Meet requirements of Fed. Spec. NNN-P-350C, Style II-Long Taper Tip, except tip lengths are 55 to 60mm.

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
1/10 in 1/1000mL	±0.005mL	2 Green	13-664-8B	138.84
2/10 in 1/100mL	±0.008mL	Black	13-664-8C	135.20
2/10 in 1/1000mL	±0.008mL	2 Blue	13-664-8D	138.84
5/10 in 1/100mL	±0.01mL	2 Yellow	13-664-8E	142.92
1 in 1/100mL	±0.02mL	Yellow	13-664-8F	142.92
1 in 1/10mL	±0.02mL	Red	13-664-8G	145.90
2 in 1/10mL	±0.02mL	Green	13-664-8H	145.90
2 in 1/100mL	±0.02mL	2 White	13-664-8J	162.88
5 in 1/10mL	±0.04mL	Blue	13-664-8K	149.10

**Fisherbrand® Measuring (Mohr) Standard-Taper Pipets**

Fast, uniform flow times



13-665A

**COMPLIANCE:** Pipets meet requirements of Fed. Spec. NNN-P-350C, Style I-Standard Taper and ASTM\* E 1293-94.

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
1/10 in 1/100mL	±0.005mL	White	13-665A	103.44
1 in 1/100mL	±0.02mL	Yellow	13-665F	109.40
1 in 1/10mL	±0.02mL	Red	13-665G	97.48
2 in 1/10mL	±0.02mL	Green	13-665H	106.20
5 in 1/10mL	±0.04mL	Blue	13-665K	110.50
10 in 1/10mL	±0.06mL	Orange	13-665M	128.03
25 in 1/10mL	±0.10mL	White	13-665N	184.94

**PIPETS: MEASURING**

**Fisherbrand® Serialized/Certified Measuring (Mohr) Pipets**

Reusable, Class A pipets with permanently marked serial number



- Fast, uniform flow times **13-665-3M**
- Tuf-Temp®-treated to reduce chipping
- Permanent amber markings are fused to borosilicate glass
- Accuracy printed on each pipet
- A total of 23 characters, including spaces, can be imprinted on the pipet

**ORDERING INFORMATION:** Pipets are also available as PersonaPet® personalized pipets.

**COMPLIANCE:** Class A, Type 1 pipets are calibrated “To Deliver.” Meet requirements of Fed. Spec. NNN-P-350C, Style 1-Standard Taper, and ASTM® E1293.

**CERTIFICATIONS:** Include a certificate indicating that calibration is traceable to standards provided by NIST\*.

Capacity	Accuracy	Color Code	Cat. No.	Case of 6
1 in 1/10mL	±0.01mL	Yellow	<b>13-665-3F</b>	108.63
2 in 1/10mL	±0.01mL	Green	<b>13-665-3H</b>	136.08
5 in 1/10mL	±0.02mL	Blue	<b>13-665-3K</b>	135.75
10 in 1/10mL	±0.03mL	Orange	<b>13-665-3M</b>	173.69
25 in 1/10mL	±0.05mL	White	<b>13-665-3N</b>	319.04

**PIPETS: MILK BACTERIOLOGICAL**

**Fisherbrand® Sterile Disposable Borosilicate Glass Milk Bacteriological Pipets**



- 1.1mL size also used for milk phosphatase test **12-724-1**

**ORDERING INFORMATION:** Packed sterile in bags of 250

**COMPLIANCE:** Calibrated “To Deliver”. Meet APHA requirements for making milk dilutions.

Capacity	Grad.	Tolerance	Cat. No.	Case of 1000
1.1mL	0.5, 1.0, 1.1mL	±0.025mL	<b>12-724</b>	341.03
2.2mL	1.0, 2.0, 2.1, 2.2mL	±0.040mL	<b>12-724-1</b>	355.12

**Fisherbrand® Nonsterile Reusable Borosilicate Glass Milk Bacteriological Pipets**

With permanent markings, Tuf-Temp® treated



**COMPLIANCE:** Calibrated “To Deliver” indicated amount of milk at 20°C (68°F). Meet current APHA specifications. **13-670D**

**NOTES:** Some states require that a special state agency approve these pipets before use; verify requirements for your state. Accuracy printed on pipets applies to milk only.

Capacity	Grad.	Tolerance	Color Code	Cat. No.	Case of 12
1mL	----	±0.025mL	Blue	<b>13-670A</b>	97.05
1.1mL	1.1, 1.0mL	±0.025mL	2 Green	<b>13-670B</b>	74.44
1.1mL	1.1, 1.0, 0.5mL	±0.025mL	----	<b>13-670C</b>	79.73
2.2mL	2.2, 2.1, 2.0, 1.0mL	±0.04mL	----	<b>13-670D</b>	89.99
5mL	----	±0.10mL	White	<b>13-670E</b>	120.43
10mL	----	±0.10mL	Red	<b>13-670F</b>	133.88
11mL	----	±0.10mL	----	<b>13-670G</b>	136.85

**PIPETS: PASTEUR**

**Fisherbrand® Disposable Borosilicate Glass Pasteur Pipets**

Constriction near top prevents plugs from slipping into pipet body



**13-678-20A**

- High-quality borosilicate glass
- Ends are square cut
- Plugs not supplied
- Tips held to close diameter tolerances

**COMPLIANCE:** Designed from ASTM® E 732 specifications

Approx. Length	Cat. No.	Case of
5 3/4" (146mm)	<b>13-678-20A</b>	720/73.85
5 3/4" (146mm)	<b>13-678-20B</b>	1440/134.97
9" (229mm)	<b>13-678-20C</b>	720/75.39
9" (229mm)	<b>13-678-20D</b>	1440/141.33

**Fisherbrand® Pasteur Pipets**

Excellent for use in blood banks, hematology, chemistry, bacteriology and all general laboratory applications

Strong corrugated packaging is used to provide maximum protection from external shock and each pack contains a foam pad to protect the pipet tips.



Top to bottom: **22-209-353, 22-063-156, 22-209-361**

- Manufactured from borosilicate or soda lime glass to conform to rigid specifications
- Straight-cut tips and smooth, fire-polished tops to facilitate bulb attachment
- I.D., top: 7mm; tips: 0.9 to 1.25mm
- Positive constriction approximately 1" from the top to prevent cotton plugs from slipping into pipet barrel
- Easel configuration of each pack keeps pipets orderly and easily accessible

Length	Material	Cat. No.	Case of
<b>Plain</b>			
5 3/4" (150mm)	Soda Lime Glass	<b>22-063-156</b>	200/27.01
9" (229mm)	Soda Lime Glass	<b>22-063-172</b>	200/30.02
5 3/4" (150mm)	Soda Lime Glass	<b>22-042-816</b>	250/28.92
9" (229mm)	Soda Lime Glass	<b>22-042-817</b>	250/37.48
5 3/4" (150mm)	Borosilicate Glass	<b>22-183-624</b>	1000/140.83
9" (229mm)	Borosilicate Glass	<b>22-183-632</b>	1000/189.52
<b>Cotton-Plugged</b>			
5 3/4" (150mm)	Soda Lime Glass	<b>22-209-353</b>	250/199.72
9" (229mm)	Soda Lime Glass	<b>22-209-361</b>	250/221.60
5 3/4" (150mm)	Borosilicate Glass	<b>22-209-379</b>	250/236.12

**Fisherbrand® Disposable Soda-Lime Glass Pasteur Pipets**

Ideal for transferring samples to sample cups and for drop counting



**13-678-6A**

- Uniform bore
- Tip openings range from 0.80 to 1.20mm
- Top and tip free of sharp edges
- Can be cotton plugged (plugs not included)
- Carton top folds back—tilts carton into convenient dispensing position

**COMPLIANCE:** Conform to government specifications in design, style

Approx. Length	Cat. No.	Pack of 250	Case of 4 Pack
5 3/4" (146mm)	<b>13-678-6A</b>	30.10	100.32
9" (229mm)	<b>13-678-6B</b>	34.84	116.15

**PIPETTS: PASTEUR**

**Fisherbrand\* Disposable Flint-Glass Pasteur Pipets in Stand-Up Case**

Tip openings range from 0.80 to 1.40mm

- High-quality flint glass pipets in convenient stand-up case
- Saves bench space
- Approximate volume: 2mL
- Can be cotton plugged (plugs not included)



22-230-490

**ORDERING INFORMATION:** 100 pipets per pack, 10 packs per case

**COMPLIANCE:** Designed to meet ASTM\* E 732 specifications

Approx. Length	Cat. No.	Case of 1000
5 <sup>3</sup> / <sub>4</sub> " (150mm)	22-230-482	115.33
9" (229mm)	22-230-490	162.30

**Fisherbrand\* Disposable Controlled-Drop Pasteur Pipets**

Perfect for blood typing and cross-matching procedures in blood bank laboratories

- Deliver 22 to 26 drops per mL
- Correspond to drop size from antisera reagent bottle droppers
- Can be cotton plugged (plugs not included)
- Borosilicate or flint glass



13-678-30 (top), 13-678-6C (bottom)

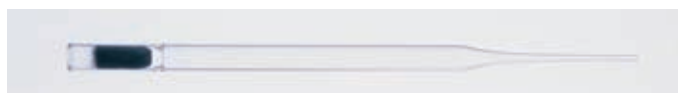
**ORDERING INFORMATION:** 250 pipets per pack, 4 packs per case.

Approx. Length	Glass Type	Cat. No.	Case of 1000
5 <sup>3</sup> / <sub>4</sub> " (14.6cm)	Borosilicate	13-678-30	119.87
5 <sup>3</sup> / <sub>4</sub> " (14.6cm)	Flint	13-678-6C	133.79

**Fisherbrand\* Disposable Cotton-Plugged Borosilicate-Glass Pasteur Pipets**

Made of N-51A borosilicate glass

- Straight-cut tips and smooth, fire-polished tops to facilitate bulb attachment
- A positive constriction at approximately 1" (2.5cm) from top holds supplied cotton plug in place, thereby reducing the chance of aspirating liquid into rubber bulb
- Patented easel box, made of nonlinting material, folds to become a dispenser for easy access to pipets
- Foam pad at bottom of box preserves tips



13-678-8A

Approx. Length	Cat. No.	Pack of 250	Case of 4 Pack
5 <sup>3</sup> / <sub>4</sub> " (146mm)	13-678-8A	30.54	101.76
9" (229mm)	13-678-8B	36.45	121.49

**PIPETTS: SEROLOGICAL**

**Fisherbrand\* Borosilicate Glass Disposable Serological Pipets with Regular Tip, Standard Length**

Regular-tipped pipets have long, slender, tapered tips to speed pipetting



13-678-26D

Capac. (mL)	Subdiv. (mL)	Neg. Grads. (mL)	Tol. (mL)	Pkg. Color Code <sup>1</sup>	Sterile and Plugged						Nonsterile and Nonplugged			
					Individually Wrapped			Multipack <sup>2</sup>			Packed in Canisters <sup>1</sup>			
					Inner-Pack Qty.	Cat. No.	Case of	Inner-Pack Qty.	Cat. No.	Case of	Inner-Pack Qty.	Cat. No.	Case of	
0.5	1/100	2/10	±0.013	Yellow	125	13-678-27A	500/210.01	----	----	----	----	----	----	----
0.5	5/100	2/10	±0.013	----	----	----	----	----	----	----	250	13-678-31D	500/160.46	
1	1/10	2/10	±0.02	Red	200	13-678-27B	1000/316.22	250	13-678-25A	1000/309.16	250	13-678-31E	1000/252.48	
1	1/100	2/10	±0.02	Yellow	200	13-678-27C	1000/305.59	250	13-678-25B	1000/266.65	50	13-678-26A	500/160.43	
2	1/100	2/10	±0.04	White	125	13-678-27D	500/184.08	250	13-678-25C	500/155.79	50	13-678-26B	500/184.11	
5	1/10	1	±0.15	Blue	100	13-678-27E	500/250.16	250	13-678-25D	500/199.43	50	13-678-26C	500/218.28	
10	1/10	2	±0.30	Orange	110	13-678-27F	500/256.04	250	13-678-25E	500/269.03	50	13-678-26D	500/294.98	

<sup>1</sup> Bulk-packaged pipets (regular tip, nonsterile and nonplugged) are not color coded.

<sup>2</sup> Vented multipack.

**PIPETS: SEROLOGICAL**

**Fisherbrand\* Borosilicate Glass Disposable Serological Pipets with Regular Tip, Short Length**

Perfect for tissue culture work or procedures performed under fume hoods or in confined areas



13-678-36C

Capac. (mL)	Subdiv. (mL)	Neg. Grads. (mL)	Tol. (mL)	Pkg. Color Code	Inner Pack Qty.	Cat. No.	Case of
1	1/100	5/10	±0.04	Yellow	200	13-678-36A	400/151.04
5	1/10	3	±0.2	Blue	100	13-678-36B	200/172.22
10	2/10	4	±0.4	Orange	100	13-678-36C	200/198.21
25	2/10	5	±0.5	Green	100	13-678-36D	200/253.69
50	5/10	10	±1.5	Purple	25	13-678-36E	50/251.33

**Fisherbrand\* Borosilicate Glass Disposable Serological Pipets with Wide Tip, Standard Length**

Sterile and plugged, multipack



13-678-35A

Sterile and Plugged Multipack†

Capac. (mL)	Subdiv. (mL)	Neg. Grads. (mL)	Tol. (mL)	Pkg. Color Code	Cat. No.	Case of
5	1/10	1	±0.02	Blue	13-678-35A	224.18
10	2/10	2	±0.4	Orange	13-678-35B	251.32

† Vented multipack.

**Fisherbrand\* Standard-Top Serological Pipets**

Fast, uniform flow times

13-675 Series



Pipets 13-675D and 13-675E are recommended for VDRL test.

**ORDERING INFORMATION:** For 5, 10 and 25mL pipets, see Fisherbrand Cotton-Plug Top Pipets.

**COMPLIANCE:** Calibrated "To Deliver/Blow Out." Meet requirements of ASTM\* E 1044-96, Style I-General-Purpose Top.

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
1/10 in 1/100mL	±0.005mL	White	13-675A	94.40
2/10 in 1/100mL	±0.008mL	Black	13-675C	101.46
5/10 in 1/100mL	±0.01mL	2 Yellow	13-675D	113.48
5/10 in 1/20mL	±0.01mL	2 Black	13-675E	117.45
1 in 1/100mL	±0.02mL	Yellow	13-675F	97.92
1 in 1/10mL	±0.02mL	Red	13-675G	90.65
2 in 1/10mL	±0.02mL	Green	13-675H	101.23
2 in 1/100mL	±0.02mL	2 White	13-675J	160.01

**Fisherbrand\* Dye Industry Pipets**

Perfect for pipetting dark-color dye solutions.



13-671-109M

Just fill pipet to desired volume and read—no time-consuming draining as with conventional pipets.

- White graduations stand out against background of dark dye; easier to see and read than conventional amber markings
- Inverse scale—volume graduations start with 0 at tip
- Color coded for quick, accurate identification
- Catalog number, capacity and accuracy marked on each pipet
- Tough borosilicate glass; Tuf-Temp\*-treated to reduce chipping

**COMPLIANCE:** Calibrated "To Deliver/Blow Out"

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
1 in 1/100mL	±0.02mL	Yellow	13-671-109F	109.95
2 in 1/10mL	±0.02mL	Green	13-671-109H	120.76
5 in 1/10mL	±0.04mL	Blue	13-671-109K	109.95
10 in 1/10mL	±0.06mL	Orange	13-671-109M	124.84
25 in 1/2mL	±0.10mL	White	13-671-109N	240.41

**Fisherbrand\* Large Tip Opening Serological Pipets**

Ideal for viscous solutions and tissue culture work



13-671-108 Series

- Tops formed for cotton plugging (plugs not included) will fit cotton plugging machines (not available from Fisher Scientific\*)
- The 1mL size has approximately 0.1" (2.5mm) tip opening; other sizes have approximately 0.12" (3mm) tip opening

**COMPLIANCE:** Calibrated "To Deliver/Blow Out"

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
1 in 1/10mL	±0.05mL	Red	13-671-108A	170.71
2 in 1/10mL	±0.05mL	Green	13-671-108B	194.32
5 in 1/10mL	±0.10mL	Blue	13-671-108C	159.36
10 in 1/10mL	±0.10mL	Orange	13-671-108D	157.15
25 in 1/10mL	±0.20mL	White	13-671-108E	226.30

**Fisherbrand\* Long Tip Serological Pipets**

For pipetting into or sampling from small tubes, vials, or cuvetts



13-674-26A

- Pipets with long, tapered tips
- Pipet is graduated to the tip—ideal when only small amounts of sample are available
- Calibrated "To Deliver/Blow Out"
- 10mL size can be cotton plugged (plugs not included)

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
1/10 in 1/100mL	±0.005mL	White	13-674-26A	135.20
2/10 in 1/100mL	±0.008mL	Black	13-674-26C	135.20
1 in 1/100mL	±0.02mL	Yellow	13-674-26F	147.55
1 in 1/10mL	±0.02mL	Red	13-674-26G	151.31
2 in 1/10mL	±0.03mL	Green	13-674-26H	153.18
10 in 1/10mL	±0.06mL	Orange	13-674-26M	191.11



**PIPETS: SEROLOGICAL**

**Fisherbrand\* Reusable Cotton-Plug Top Serological Pipets**

Similar to Fisherbrand Standard-Top Pipets with tops tooled to fit cotton-plugging machines (not available from Fisher Scientific)



- Constriction in glass top prevents cotton plug from going down into pipet (plugs not included) **13-671-102A**
- Fast, uniform flow times

**ORDERING INFORMATION:** Also available in economical bulk packs

**REQUIRES:** Cotton plugs

**COMPLIANCE:** Calibrated "To Deliver/Blow Out." Meet requirements of ASTM\* E 1044-96, Style II-Cotton Plugging Mouthpiece.

Capacity	Accuracy	Color Code	Standard Pack		Bulk Pack	
			Cat. No.	Case of 12	Cat. No.	Case of 250
1/10 in 1/100mL	±0.005mL	White	<b>13-671-102A</b>	107.20	----	----
2/10 in 1/100mL	±0.008mL	Black	<b>13-671-102C</b>	115.02	----	----
5/10 in 1/100mL	±0.01mL	2 Yellow	<b>13-671-102E</b>	127.26	----	----
1 in 1/100mL	±0.02mL	Yellow	<b>13-671-102F</b>	100.69	<b>13-676-53C</b>	1404.52
1 in 1/10mL	±0.02mL	Red	<b>13-671-102G</b>	86.24	<b>13-676-53D</b>	1349.92
2 in 1/10mL	±0.02mL	Green	<b>13-671-102H</b>	100.13	<b>13-676-53F</b>	1511.93
2 in 1/100mL	±0.02mL	2 White	<b>13-671-102J</b>	138.84	----	----
5 in 1/10mL	±0.04mL	Blue	<b>13-675K</b>	99.69	<b>13-676-53G</b>	1306.14
10 in 1/10mL	±0.06mL	Orange	<b>13-675M</b>	105.87	<b>13-676-53H</b>	1394.92
25 in 1/10mL	±0.10mL	White	<b>13-675N</b>	201.26	<b>13-676-53J</b>	2443.78

**Fisherbrand\* Serialized/Certified Serological Pipets**

Reusable, Class A pipets with permanently marked serial number



Permanent amber markings are fused to Tuf-Temp\*-treated borosilicate glass. **13-675-3M**

- Fast, uniform flowrates
- Meet specifications for Kahn pipets
- Accuracy printed on each pipet
- Sizes 5, 10 and 25mL can be cotton plugged

**ORDERING INFORMATION:** Also available as PersonaPet\* pipets; a total of 23 characters, including spaces, can be imprinted on the pipet.

**COMPLIANCE:** Class A, Type 1 pipets are calibrated "To Deliver." Meet requirements of ASTM\* E1044.

**CERTIFICATIONS:** Includes Certificate of Traceability stating that calibration is traceable to standards provided by NIST\*.

Capacity	Accuracy	Color Code	Cat. No.	Case of 6
1 in 1/10mL	±0.01mL	Yellow	<b>13-675-3F</b>	109.18
2 in 1/10mL	±0.01mL	Green	<b>13-675-3H</b>	136.75
5 in 1/10mL	±0.02mL	Blue	<b>13-675-3K</b>	127.92
10 in 1/10mL	±0.03mL	Orange	<b>13-675-3M</b>	174.47
25 in 1/10mL	±0.05mL	White	<b>13-675-3N</b>	319.04

**Fisherbrand\* Kahn Serological Pipets**

For measuring and transferring serum and antigen in Kahn tests



Used in Kahn tests as published in American Journal of Public Health, 129 (June 1924). **13-677D**

**COMPLIANCE:** Calibrated "To Deliver/Blow Out." Pipet 13-677D meets ASTM\* E 1044-96.

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
2/10 in 1/1000mL	±0.008mL	2 Blue	<b>13-677D</b>	158.03
1/10 in 1/1000mL	±0.005mL	----	<b>13-677G</b>	132.44

**Fisherbrand\* Kolmer Serological Pipets**

For Kolmer Complement Fixation technique



**COMPLIANCE:** Calibrated "To Deliver" to baseline. **13-676F**

Capacity	Accuracy	Color Code	Cat. No.	Case of 12
1 in 1/100mL	±0.02mL	Yellow	<b>13-676F</b>	130.02
1 in 1/10mL	±0.02mL	Red	<b>13-676G</b>	115.57
2 in 1/10mL	±0.02mL	Green	<b>13-676H</b>	128.36
5 in 1/10mL	±0.04mL	Blue	<b>13-676K</b>	122.85
10 in 1/10mL	±0.06mL	Orange	<b>13-676M</b>	132.56

**Fisherbrand\* Dual-Purpose Pipets**

Sizes through 0.3mL have twice the accuracy required for Ostwald-Folin pipets



- Borosilicate glass, permanent amber markings, Tuf-Temp\*-treated to reduce chipping
- Accuracy printed on each pipet
- Capacity marked below mouthpiece

**ORDERING INFORMATION:** Available as PersonaPet\* personalized pipets

**COMPLIANCE:** Calibrated "To Deliver/Blow Out" (upper graduation) and "To Contain" (lower graduation).

Capacity	Accuracy	Cat. No.	Case of 12
0.1mL	±0.003mL	<b>11-382-33A</b>	144.36
0.2mL	±0.003mL	<b>11-382-33B</b>	144.36
0.25mL	±0.003mL	<b>11-382-33C</b>	144.36
0.3mL	±0.003mL	<b>11-382-33D</b>	144.36
0.5mL	±0.006mL	<b>11-382-33E</b>	134.54
1.0mL	±0.006mL	<b>11-382-33F</b>	134.65
2.0mL	±0.006mL	<b>11-382-33G</b>	134.65
2.5mL	±0.01mL	<b>11-382-33H</b>	152.52
3.0mL	±0.01mL	<b>11-382-33J</b>	152.29
4.0mL	±0.01mL	<b>11-382-33K</b>	152.29
5.0mL	±0.01mL	<b>11-382-33L</b>	152.52
10.0mL	±0.02mL	<b>11-382-33M</b>	179.53

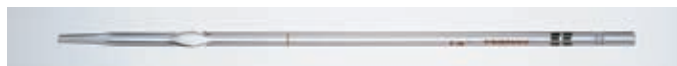
**PIPETTS: SEROLOGICAL**

**Fisherbrand\* Ostwald-Folin Pipets**

**High-volume accuracy at a reasonable price**

- With tapered bulbs
- Borosilicate glass with permanent amber markings
- Tuf-Temp\*-treated to reduce chipping
- Accuracy printed on each pipet
- Accuracy equivalent to that of Class A volumetric

11-382-32E



Capacity	Accuracy	Min. Flow Time	Color Code	Cat. No.	Case of 12
0.25mL	±0.006mL	3 sec.	----	11-382-32C	150.86
0.3mL	±0.006mL	3 sec.	----	11-382-32D	144.36
0.5mL	±0.006mL	3 sec.	2 Black	11-382-32E	134.43
1.0mL	±0.006mL	3 sec.	Blue	11-382-32F	124.72
2.0mL	±0.006mL	3 sec.	Orange	11-382-32G	124.62
3.0mL	±0.01mL	3 sec.	Black	11-382-32H	134.43
4.0mL	±0.01mL	4 sec.	2 Red	11-382-32J	130.90
5.0mL	±0.01mL	4 sec.	White	11-382-32K	134.43
10.0mL	±0.02mL	5 sec.	Red	11-382-32L	162.99

**ORDERING INFORMATION:** Available as PersonaPet\* personalized pipets.

**COMPLIANCE:** Calibrated "To Deliver/Blow Out." Meet Fed. Spec. NNN-P-340B (or latest revision).

**PIPETTS: VOLUMETRIC**

**Fisherbrand\* Reusable Class A Volumetric Pipets**

**Standard or serialized**

- Borosilicate glass
- Volume accuracy marked on each pipet
- Permanent amber markings
- Tuf-Temp\*-treated tempered tips reduce chipping

**ORDERING INFORMATION:** All pipets are available as PersonaPet\* personalized pipets.

**COMPLIANCE: Standard Pipets** meet all Class A requirements of ASTM\* E 969-95. Letter A near top signifies compliance with requirements for laboratory certification by CAP and other certifying groups. Calibrated "To Deliver". **Serialized Pipets** with Certificates of Traceability are calibrated in accordance with ASTM\* E 542 and meet accuracy requirements of ASTM E 969. Glass meets the requirements of ASTM E 438 for Type I, Class A.



(Top to bottom) 13-650-3F, 13-650-3P, 13-650-3C

**CERTIFICATIONS: Serialized Pipets** are NIST traceable, and are supplied with individual fused-in serial numbers and Certificates of Traceability, which indicate that each pipet is individually calibrated and certified against equipment whose calibration is traceable to the National Institute of Standards and Technology (NIST). Certificates list the weight set used, the test number, and date of testing.

Capacity	Accuracy	Min. Flow Time	Color Code	Cat. No.	Standard		Serialized		
					Each	Case of	Cat. No.	Each	Case of
0.5mL	±0.006mL	5 sec.	2 Black	13-650-2A	----	12/115.25	13-650-3A	----	6/114.25
1mL	±0.006mL	8 sec.	Blue	13-650-2B	----	12/124.95	13-650-3B	----	6/104.10
2mL	±0.006mL	8 sec.	Orange	13-650-2C	----	12/124.95	13-650-3C	----	6/131.79
2.5mL	±0.006mL	8 sec.	----	13-650-2Y	----	12/203.79	13-650-3Y	----	6/206.99
3mL	±0.01mL	8 sec.	Black	13-650-2D	----	12/125.61	13-650-3D	----	6/148.98
4mL	±0.01mL	8 sec.	2 Red	13-650-2E	----	12/126.16	13-650-3E	----	6/153.95
5mL	±0.01mL	8 sec.	White	13-650-2F	----	12/124.95	13-650-3F	----	6/158.03
6mL	±0.01mL	10 sec.	2 Orange	13-650-2G	----	12/126.93	13-650-3G	----	6/158.03
7mL	±0.01mL	10 sec.	2 Green	13-650-2H	----	12/126.93	13-650-3H	----	6/151.52
8mL	±0.02mL	10 sec.	Blue	13-650-2J	----	12/123.18	13-650-3J	----	6/151.52
9mL	±0.02mL	10 sec.	Black	13-650-2K	----	12/123.18	13-650-3K	----	6/151.52
10mL	±0.02mL	15 sec.	Red	13-650-2L	----	12/135.87	13-650-3L	----	6/170.71
12mL	±0.02mL	25 sec.	----	13-650-2X	----	12/345.40	13-650-3X	----	6/410.57
15mL	±0.03mL	25 sec.	Green	13-650-2M	16.57	12/169.94	13-650-3M	54.56	6/279.81
20mL	±0.03mL	25 sec.	Yellow	13-650-2N	17.78	12/182.39	13-650-3N	54.56	6/279.81
25mL	±0.03mL	25 sec.	Blue	13-650-2P	18.98	12/194.66	13-650-3P	60.71	6/311.33
30mL	±0.03mL	25 sec.	Black	13-650-2Q	25.04	12/256.83	13-650-3Q	55.96	6/286.99
40mL	±0.05mL	25 sec.	White	13-650-2R	25.02	12/256.64	13-650-3R	61.42	6/325.95
50mL	±0.05mL	25 sec.	Red	13-650-2S	25.01	12/256.52	13-650-3S	64.84	6/343.91
75mL	±0.08mL	30 sec.	Green	13-650-2T	35.55	12/364.53	13-650-3T	55.43	6/284.25
100mL	±0.08mL	30 sec.	Yellow	13-650-2U	35.50	12/364.09	13-650-3V	66.39	6/339.56
200mL	±0.16mL	30 sec.	----	13-650-2W	50.99	4/174.29	13-650-3W	100.62	----

**PIPETS: VOLUMETRIC**

**Fisherbrand\* Reusable CulturTek\* Volumetric Pipets**

**Large tip opening fills and drains quickly, speeds cell transfers**

Originally developed for in-house tissue culture cell production at Smith, Kline and French Laboratories. Heavy borosilicate glass provides greater resistance to chipping and breakage than conventional volumetric pipets.

- Tip openings approximately 4mm, or 1/8"
- Reinforced tip and mouthpiece bulb joints
- Shorter length makes pipets easier to handle
- With permanent amber markings
- Top tooled for cotton plugs (plugs not supplied)



13-650-30A

**ORDERING INFORMATION:** Available as PersonaPet\* personalized pipets.

**COMPLIANCE:** Calibrated "To Deliver"

Capacity	Accuracy	Color Code	Cat. No.	Each	Case of 12
25mL	±0.10mL	Blue	13-650-30A	17.57	180.19
50mL	±0.10mL	Red	13-650-30B	22.87	234.61
100mL	±0.20mL	Yellow	13-650-30C	32.24	330.67

**Fisherbrand\* Reusable Class B Volumetric Pipets**

**Ensure highest accuracy, reproducibility**

- Borosilicate glass
- Permanent amber markings
- Large numeral on bulb of 15mL and larger pipets makes capacity easy to identify
- Accuracy printed on each pipet
- Tuf-Temp\*-treated tempered tips reduce chipping
- Fast outflow



13-650L

**ORDERING INFORMATION:** Available as PersonaPet\* personalized pipets.

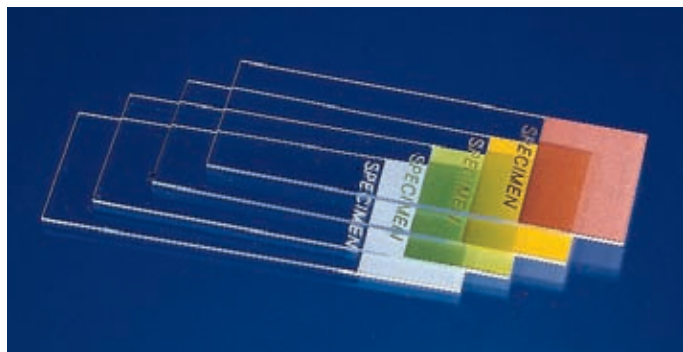
**COMPLIANCE:** Calibrated "To Deliver". Meet Class B volume accuracy and flow time requirements of ASTM\* E 969-95.

Capacity	Accuracy	Minimum Flow Time	Color Code	Cat. No.	Each	Case of 12
0.5mL	±0.012mL	3 sec.	2 Black	13-650A	----	104.43
1mL	±0.012mL	3 sec.	Blue	13-650B	----	103.99
2mL	±0.012mL	3 sec.	Orange	13-650C	----	104.10
2.5mL	±0.012mL	5 sec.	----	13-650Y	----	205.78
3mL	±0.02mL	5 sec.	Black	13-650D	----	113.59
4mL	±0.02mL	5 sec.	2 Red	13-650E	----	111.38
5mL	±0.02mL	8 sec.	White	13-650F	----	111.94
6mL	±0.03mL	8 sec.	2 Orange	13-650G	----	123.74
7mL	±0.03mL	8 sec.	2 Green	13-650H	----	124.07
8mL	±0.04mL	8 sec.	Blue	13-650J	----	123.74
9mL	±0.04mL	8 sec.	Black	13-650K	----	123.74
10mL	±0.04mL	8 sec.	Red	13-650L	----	123.74
12mL	±0.04mL	10 sec.	----	13-650X	----	351.24
15mL	±0.06mL	10 sec.	Green	13-650M	18.79	192.68
20mL	±0.06mL	10 sec.	Yellow	13-650N	16.73	171.64
25mL	±0.06mL	15 sec.	Blue	13-650P	17.85	183.10
30mL	±0.10mL	15 sec.	Black	13-650Q	26.17	268.43
40mL	±0.10mL	15 sec.	White	13-650R	26.20	268.74
50mL	±0.10mL	15 sec.	Red	13-650S	23.20	237.97
75mL	±0.16mL	20 sec.	Green	13-650T	32.75	335.89
100mL	±0.16mL	20 sec.	Yellow	13-650U	33.31	341.62
200mL	±0.32mL	30 sec.	----	13-650V	41.73	427.97

**SLIDES**

**Fisherbrand\* ColorFrost\* Disposable Microscope Slides**

Color-coded frosted end for easy coordinating with tissue cassettes or other color systems



12-550-40 through -43

- Plain corners
- Same properties as Superfrost\*, including chemical resistance and easy marking and reading
- Convenient "SPECIMEN" mark lends easy orientation

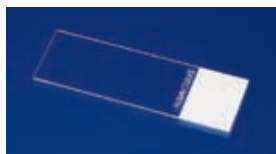
**ORDERING INFORMATION:** Thickness: 1.0mm.

Color	Cat. No.	Pack of 144	Case of 10 Pack
<b>25 × 75mm</b>			
Aqua	22-037-077	63.27	----
Blue	12-550-40	65.28	557.96
Burnt Orange	22-037-079	77.14	682.34
Gold	22-037-080	58.79	502.35
Green	12-550-41	65.28	557.96
Lilac	22-037-081	63.27	540.77
Pink	12-550-42	65.28	557.96
Tan	22-037-078	61.13	----
Yellow	12-550-43	65.28	557.96
<b>3 × 1"</b>			
Blue	22-214-320	79.37	678.41
Green	22-214-338	77.36	684.57
Pink	22-214-346	76.67	678.43
Yellow	22-214-361	77.53	686.10

**Fisherbrand\* Superfrost\* Disposable Microscope Slides**

Superfrost coating impervious to most common laboratory chemicals and reagents

- Brilliant white, opaque coating takes and retains most laboratory marking methods
- Each side has a written key for easy orientation; the word "SPECIMEN" instantly tells you which side is up
- Superfrost slides can be imprinted with your laboratory or hospital's name (call your Fisher Scientific Customer Service Representative for details)



12-550-143

**ORDERING INFORMATION:** Come in handy one-at-a-time dispenser boxes of 72 slides.

Size	Thickness	Cat. No.	Pack of 144	Case of 10 Pack
3 × 1"	1mm	12-550-123	70.12	599.28
3 × 1"	1.2mm	12-550-13	89.37	763.87
75 × 25mm	1mm	12-550-143	61.63	526.76
3 × 1"	1mm	22-178-277†	86.93	742.98

† Made using premium glass.

For more information on Fisherbrand\* Microscope Slides and Cover Slips, visit [www.fishersci.com](http://www.fishersci.com).

**Fisherbrand\* Superfrost\* Plus and ColorFrost\* Plus Microscope Slides**

An ideal choice for frozen sections, cytocentrifuge preparations and standard Papanicolaou smears



12-550-15, -17 through -20

Color	Cat. No.	Pack of 144	Case of 10 Pack
<b>Superfrost Slides</b>			
White	12-550-15	119.75	1024.44
<b>ColorFrost Slides</b>			
Aqua	22-230-890	113.13	1001.13
Blue	12-550-17	117.68	1005.80
Burnt Orange	22-230-892	117.13	1001.13
Gold	22-230-891	113.13	1001.13
Green	12-550-18	117.12	1001.06
Pink	12-550-19	117.68	1005.80
Yellow	12-550-20	117.12	1001.06
Lilac	12-550-16	117.12	1001.06
Tan	12-550-16A	116.00	988.86

**Fisherbrand\* InkJet and InkJet Plus Microscope Slides**

Superfrost\*/ColorFrost\* microscope slides designed for use with Leica\* Microsystems IP S ink jet printer

12-550-109

- Printing instruments use chemical-resistant ink and print directly on Superfrost/ColorFrost tab of the slide
- Clipped 45° or straight 90° corners
- InkJet Plus includes a plus (+) charge symbol



22-042-924

12-550-100

Tab Color	Cat. No.	Pack of 144	Case of 10 Pk.
<b>90° Corner Slides</b>			
Aqua	12-550-105	49.72	424.63
Blue	12-550-101	49.72	424.63
Burnt Orange	12-550-106	49.72	424.63
Green	12-550-102	49.72	424.63
Lilac	12-550-107	49.72	424.63
Pink	12-550-103	49.72	424.63
Tan	12-550-108	49.72	424.63
White	12-550-100	49.72	424.63
Yellow	12-550-104	49.72	424.63
<b>90° Corner Plus (+) Slides</b>			
Aqua	12-550-114	86.34	764.09
Blue	12-550-110	86.34	764.09
Burnt Orange	12-550-115	86.34	764.09
Green	12-550-111	86.34	764.09
Lilac	12-550-116	86.34	764.09
Pink	12-550-112	86.34	764.09
Tan	12-550-117	86.34	764.09
White	12-550-109	86.34	691.39
Yellow	12-550-113	86.34	764.09
<b>45° Clipped Corner Slides</b>			
Aqua	22-042-920	58.44	499.22
Blue	22-042-916	58.44	499.22
Green	22-042-917	58.44	499.22
Lilac	22-042-922	58.44	499.22
Pink	22-042-918	58.44	499.22
Tan	22-042-923	58.44	499.22
White	22-042-915	58.44	499.22
Orange	22-042-921	58.44	475.86
Yellow	22-042-919	58.44	499.22
<b>45° Clipped Corner Plus (+) Slides</b>			
Aqua	22-042-929	90.17	770.65
Blue	22-042-925	90.17	770.65
Burnt Orange	22-042-930	90.17	770.65
Green	22-042-926	90.17	770.65
Lilac	22-042-931	90.17	770.65
Pink	22-042-927	90.17	770.65
Tan	22-042-932	90.17	770.65
White	22-042-924	90.17	745.81
Yellow	22-042-928	90.17	770.65

**SLIDES: COVER SLIPS**

**Fisherbrand\* Cover Glasses**

Made of finest optical borosilicate glass, with uniform thickness and size

- Corrosion resistant
- Precleaned, lint-free and ready to use
- Available in squares, circles, and rectangles



12-545F, 12-542A, 12-545-80

**ORDERING INFORMATION:** Packed in 1 oz. (28g) plastic boxes with custom-molded bases for easy one-at-a-time dispensing.

Size	Quantity	Cat. No.	Pack of	Case of 10 Pack
<b>Squares No. 1 - 0.13 to 0.17mm thick</b>				
18mm	232	12-542A	26.01	222.19
22mm	156	12-542B	24.22	206.89
25mm	125	12-542C	25.01	213.77
<b>Squares No. 1.5 - 0.16 to 0.19mm thick</b>				
18mm	208	12-541A	28.62	244.45
22mm	138	12-541B	26.10	223.08
<b>Squares No. 2 - 0.17 to 0.25mm thick</b>				
18mm	176	12-540A	17.39	148.67
22mm	116	12-540B	17.39	148.67
25mm	93	12-540C	18.14	154.83
<b>Circles No. 1 - 0.13 to 0.17mm thick</b>				
12mm	692	12-545-80	164.30	1404.27
18mm	308	12-545-100	85.24	728.56
22mm	206	12-545-101	63.54	562.05
25mm	159	12-545-102	59.89	511.88
<b>Circles No. 1.5 - 0.16 to 0.19mm thick</b>				
12mm	597	12-545-81	161.48	1380.19
<b>Circles No. 2 - 0.17 to 0.25mm thick</b>				
18mm	223	12-546	61.90	547.80
22mm	150	12-546-1	52.02	444.59
25mm	116	12-546-2	44.36	379.07
<b>Rectangles No. 1 - 0.13 to 0.17mm thick</b>				
30 × 22mm	116	12-545A	24.91	212.80
40 × 22mm	86	12-545C	24.91	212.79
50 × 22mm	68	12-545E	24.96	213.23
60 × 22mm	58	12-545J	24.96	213.23
30 × 24mm	110	12-545B	24.91	212.80
40 × 24mm	78	12-545D	23.91	204.16
50 × 24mm	65	12-545F	24.96	213.23
55 × 24mm	56	12-544-18	30.51	260.72
60 × 24mm	55	12-545M	25.79	220.38
50 × 35mm	45	12-545G	34.74	296.90
50 × 45mm	35	12-545H	31.24	267.05
<b>Rectangles No. 1.5 - 0.16 to 0.19mm thick</b>				
30 × 22mm	100	12-544A	25.18	215.24
40 × 22mm	74	12-544B	24.69	210.82
50 × 22mm	59	12-544D	24.72	211.29
60 × 22mm	50	12-544G	24.72	211.29
40 × 24mm	68	12-544C	24.72	211.29
50 × 24mm	54	12-544E	24.12	206.06
50 × 45mm	30	12-544F	31.03	265.11
<b>Rectangles No. 2 - 0.17 to 0.25mm thick</b>				
40 × 22mm	62	12-543A	30.20	258.11
50 × 22mm	50	12-543C	30.20	258.11
40 × 24mm	57	12-543B	30.20	258.11
50 × 24mm	45	12-543D	30.20	258.11
50 × 35mm	33	12-543E	30.10	257.02
<b>Rectangles No. 2 - 0.17 to 0.25mm thick</b>				
50 × 45mm	26	12-543F	38.69	330.65

**Fisherbrand\* Superslip Cover Slips**

Make your automatic cover slip machines run smoothly

- Built-in moisture resistance
- Excellent for use in humid environments

**ORDERING INFORMATION:**  
Thickness: No. 1.



12-545-87

Size	Approx. Qty. per 1 oz. Pack	Cat. No.	Pack	Case of 10 Pack
24 × 40mm	78	12-545-87	24.67	210.70
24 × 50mm	65	12-545-88	24.96	213.19

**SLIDE STAINING DISHES**

**Fisherbrand\* Glass Staining Dishes for 20 Slides**

Staining dish with 10 grooves for carrying up to 20 standard microscope slides back-to-back

- Holds slides horizontally
- With cover

**ORDERING INFORMATION:**  
Overall L × W × H: 3<sup>1</sup>/<sub>8</sub> × 2<sup>1</sup>/<sub>8</sub> × 1<sup>1</sup>/<sub>4</sub>"  
(79 × 54 × 32mm)



08-810

Cat. No.	Each	Pack of 36
08-810	26.69	701.16

**Fisherbrand\* Glass Staining Dishes for 10 Slides, with Screw Cap**

Hold up to 10 standard 3 × 1" (75 × 25mm) slides back-to-back

- Heavy molded glass Coplin staining dish holds slides vertically
- Rectangular body with five grooves
- With tight-fitting plastic screw cap

**ORDERING INFORMATION:** Cover O.D., 2<sup>3</sup>/<sub>8</sub>" (60mm). Overall height, 4<sup>5</sup>/<sub>16</sub>" (110mm)



08-816

Cat. No.	Each	Pack of 12
08-816	47.40	415.14

**TUBES: BUBBLING**

**Fisherbrand\* Dudley Bubbling Tube**

Can be mounted in any position to conform to other apparatus or for use as gas trap

- Borosilicate glass
- Capacity: 50mL

**ORDERING INFORMATION:** Overall length, 6.875" (175mm)



11-184

Cat. No.	Each
11-184	65.74

**TUBES: CAPILLARY**

**Fisherbrand\* Color-Coded Capillary Tubes**

Excellent for use in microhematocrit determinations

- Ends can be sealed by flame, sealing clay or patented caps
- Manufactured from low-taper, soft glass
- Tubes are packed in plastic vials with reclosable snap-lock caps to maintain cleanliness
- Red band on tube indicates heparinization; blue band indicates nonheparinized tube
- Interior surface of heparinized tubes is evenly coated with ammonium heparin (4 to 7 USP units), which will not interfere with sodium determination



22-260-950

**ORDERING INFORMATION:** Length: 75mm. Inner diameter: 1.1 to 1.2mm. Wall: 0.2mm ±0.02mm. 100 Tubes per Vial

Tubes per Vial	Cat. No.	Pack of	Case of
<b>Nonheparinized (Blue Band)</b>			
100 Tubes	22-260-943	1/9.27	12 Ea./92.64
<b>Heparinized (Red Band)</b>			
100 Tubes	22-260-950	100/13.02	12 Pk./130.17

**Fisherbrand\* Micro Blood Collecting Tubes**

With tapered bottom tips to facilitate micro blood sample collection

- For Natelson and Caraway techniques
- Color-coded tops distinguish between plain and heparinized tubes
- Heparinized tubes are treated with ammonium heparin
- Natelson tubes have 250µL capacity; 1.44 to 1.76mm I.D.; 147mm length
- Caraway tubes have 350µL capacity; 2.59 to 2.81mm I.D.; 75mm length



02-668 Series

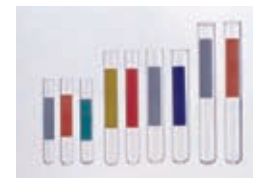
Type	Anticoagulant	Color Code	Fill Volume	Cat. No.	Pack of 100	Case of 6 Pack
Natelson	Ammonium heparin	Red	250µL	02-668-10	50.28	251.37
	None	Blue		02-668-15	44.67	223.32
Caraway	Ammonium heparin	Red	350µL	02-668-25	58.50	292.46
	None	Blue		02-668-30	47.82	239.13

**TUBES: CULTURE**

**Fisherbrand\* Plain-End Disposable Glass Tubes with Color-Coded Label Area**

End problem of lost or peeling labels

- Fused-in, textured, color patches accept any type of ink or pencil
- Expose to heat, steam, hours in a water bath, without affecting label
- Marking area is large enough for all necessary information—1 3/8" (for 10 and 12mm O.D. tubes) or 2" (for 13 and 16mm O.D. tubes) long labeling area in five pastel colors
- Flint or borosilicate glass
- Round bottom



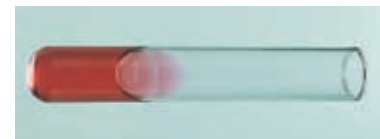
14-957 Series

Label Color	Flint Glass		Borosilicate Glass	
	Cat. No.	Case of 1000	Cat. No.	Case of 1000
<b>10 O.D. × 75mm long</b>				
White	14-957-10A	71.23	14-957-20A	80.74
Yellow	14-957-10B	71.23	14-957-20B	80.74
Green	14-957-10C	71.23	14-957-20C	80.74
Orange	14-957-10D	71.23	14-957-20D	80.74
Blue	14-957-10E	71.23	14-957-20E	80.74
<b>12 O.D. × 75mm long</b>				
White	14-957-12A	72.00	14-957-22A	90.36
Yellow	14-957-12B	72.00	14-957-22B	90.36
Green	14-957-12C	72.00	14-957-22C	90.36
Orange	14-957-12D	72.00	14-957-22D	90.36
Blue	14-957-12E	72.00	14-957-22E	90.36
<b>16 O.D. × 100mm long</b>				
White	14-957-14A	73.56	14-957-24A	104.51
Yellow	14-957-14B	73.56	14-957-24B	104.51
Green	14-957-14C	73.56	14-957-24C	104.51
Orange	14-957-14D	73.56	14-957-24D	104.51
Blue	14-957-14E	73.56	14-957-24E	104.51
<b>16 O.D. × 75mm long</b>				
White	14-957-16A	83.64	14-957-26A	130.29
Yellow	14-957-16B	83.64	14-957-26B	130.29
Green	14-957-16C	83.64	14-957-26C	130.29
Orange	14-957-16D	83.64	14-957-26D	130.29
Blue	14-957-16E	83.64	14-957-26E	130.21
<b>16 O.D. × 125mm long</b>				
Orange	14-957-18D	96.97	---	---
Blue	14-957-18E	96.97	---	---

**Fisherbrand\* Heavy-Wall Disposable Borosilicate Glass Tubes**

Chemically clean, fully annealed

- Plain end
- Round bottom



**ORDERING INFORMATION:** Case of 1000 contains four lint-free trays.

14-958-10A

O.D. × L	Cat. No.	Case of 1000
10 × 75mm	14-958-10A	77.71
12 × 75mm	14-958-10B	82.77
13 × 100mm	14-958-10C	95.81

**TUBES: CULTURE**

**Fisherbrand\* Disposable Borosilicate Glass Tubes with Polypropylene Screw Cap**

Provide the chemical stability and biological inertness of hard, borosilicate glass—at the price of disposable tubes

- Round bottom
- Start clean—no lost samples due to contaminated, cloudy or scratched tubes
- Avoid pH problems caused by soft glass
- With natural linerless polypropylene screw cap and marking spot



**ORDERING INFORMATION:** Packed in trays of 500 or 250 **14-962-26 Series**

O.D. × L	No. Per Tray	Cat. No.	Case of
13 × 100mm	500	14-962-26D	1000/301.68
16 × 100mm	250	14-962-26F	1000/318.61
16 × 125mm	250	14-962-26G	1000/335.51
16 × 150mm	250	14-962-26H	1000/368.50
20 × 125mm	250	14-962-26K	500/271.48
20 × 150mm	250	14-962-26M	500/302.49

**Fisherbrand\* Disposable Borosilicate Glass Tubes with Threaded End**

Available with or without marking spot

- Borosilicate glass
- Round bottom

**ORDERING INFORMATION:**

- 13 O.D. × 100mm long tubes supplied in shrink-wrapped shelf trays of 500; all other sizes come in trays of 250
- Without cap; order separately



**14-959-35C**

O.D. × L	GPI Thread	Cat. No.	Case of
<b>With marking spot</b>			
13 × 100mm	13-415	14-959-35C	1000/267.69
16 × 100mm	15-415	14-959-35AA	1000/293.69
16 × 125mm	15-415	14-959-35A	1000/292.44
16 × 150mm	15-415	14-959-35B	1000/313.52
20 × 125mm	18-415	14-959-37A	500/215.36
20 × 150mm	18-415	14-959-37C	500/255.66

O.D. × L	GPI Thread	Cat. No.	Case of
<b>Without marking spot</b>			
13 × 100mm	13-415	14-957-76A	1000/245.50
16 × 150mm	15-415	14-957-76C	1000/318.94
20 × 150mm	18-415	14-957-76E	500/250.32

**Fisherbrand\* Reusable Glass Tubes with Phenolic Screw Caps**

- High-quality borosilicate glass
- Phenolic screw cap with white rubber liner
- Marking spot

**ORDERING INFORMATION:** Packed in shrink-wrapped, lint-free trays of 250 or 500



**14-959-25A**

O.D. × L	GPI Thread	No. Per Tray	Cat. No.	Case of
13 × 100mm	13-415	500	14-959-25A	1000/356.40
16 × 100mm	15-415	250	14-959-25B	1000/354.42
16 × 125mm	15-415	250	14-959-25C	1000/380.78
16 × 150mm	15-415	250	14-959-25D	1000/400.25
20 × 125mm	18-415	250	14-959-25E	500/297.94
20 × 150mm	18-415	250	14-959-25F	500/329.05

**Fisherbrand\* Disposable Borosilicate Glass Tubes with Plain End**

Made of borosilicate glass to reduce pH changes and contaminants potentially leached from soda lime glass

- Round bottom
- Ideal for tissue culture and clinical chemistry
- Packaged in shrink-wrapped trays of 250 or 125 to prevent contamination or breakage
- 10 and 12mm O.D. sizes are suitable for cell washing procedures



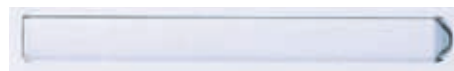
**14-961-25**

O.D. × L	No. Per Tray	Cat. No.	Case of
10 × 75mm	250	14-961-25	1000/72.78
12 × 75mm	250	14-961-26	1000/76.61
13 × 100mm	250	14-961-27	1000/81.11
15 × 85mm	250	14-961-28	1000/95.32
16 × 100mm	250	14-961-29	1000/111.00
16 × 125mm	250	14-961-30	1000/126.86
16 × 150mm	250	14-961-31	1000/133.98
18 × 150mm	125	14-961-32	500/82.84
20 × 150mm	250	14-961-33	500/132.99
25 × 150mm	125	14-961-34	500/179.72

**Fisherbrand\* Disposable Flint Glass Tubes with Plain End**

Specially annealed to reduce breakage along stress point

- Round bottom
- Smooth top and bottom prevent cuts



**14-958A**

**ORDERING INFORMATION:** Packed in trays

O.D. × L	No. Per Tray	Cat. No.	Case of
6 × 50mm	500	14-958A	1000/55.05
10 × 75mm	250	14-958B	1000/55.85
12 × 75mm	250	14-958C	1000/57.53
13 × 100mm	250	14-958D	1000/68.09
15 × 85mm	250	14-958E	1000/92.62
16 × 100mm	250	14-958F	1000/86.98
16 × 125mm	250	14-958G	1000/101.81
16 × 150mm	250	14-958H	1000/114.08
18 × 150mm	125	14-958J	500/75.48
20 × 150mm	250	14-958K	500/118.03

**Fisherbrand\* Round Cuvets**

- Reference mark near top assists repositioning
- For use with commercial colorimeters and spectrophotometers
- Manufactured from borosilicate glass



**14-385-900B**

For Use With	Dia. × H	Cat. No.	Case of 36
Coleman* Jr. II	12 × 75mm	14-385-900A	192.59
Spectronic* 20	13 × 100mm	14-385-900B	192.59
Coleman Jr. II	19 × 105mm	14-385-900D	211.64
Coleman Jr. II	19 × 150mm	14-385-900E	211.64

**TUBES: CULTURE**

**Fisherbrand® Reusable Glass Rim Top Culture Tubes**

Uniform wall thickness for maximum heat transfer and chemical resistance



**FB-700-1275**

- Made from KG-33 borosilicate glass
- Durable, white ceramic enamel marking spot
- Fire-polished top rim

**COMPLIANCE:** Designed from ASTM\* Specification E 982, Type IV requirements

Capacity	O.D. x L	Cat. No.	Pack of	Case of
6mL	12 x 75mm	<b>FB-700-1275</b>	72/35.53	10 Pk./288.89
10mL	13 x 100mm	<b>FB-700-13100</b>	72/37.56	10 Pk./288.89
20mL	16 x 125mm	<b>FB-700-16125</b>	72/44.66	8 Pk./274.85
24mL	16 x 150mm	<b>FB-700-16150</b>	72/53.80	8 Pk./288.89
28mL	18 x 150mm	<b>FB-700-18150</b>	72/59.89	8 Pk./288.89
55mL	25 x 150mm	<b>FB-701-25150</b>	36/117.16	4 Pk./288.89

**TUBES: DRYING**

**Fisherbrand® Plain U-Shaped Drying Tube**

Soda-lime glass, annealed

- Flared and fire-finished tops
- 0.5 I.D. x 4"H (1.3 x 10cm)



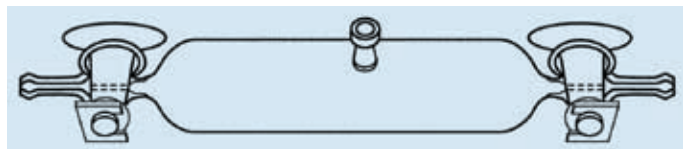
**09-235A**

Cat. No.	Each	Pack of 12
<b>09-235A</b>	14.86	152.42

**TUBES: GAS SAMPLING**

**Fisherbrand® Septum-Port Gas Sampling Tube**

For gas chromatography



**11-134-190**

- Extract gas by piercing self-sealing cap on side arm with syringe
- With stopcocks
- Borosilicate glass

Capacity	Cat. No.	Each
250mL	<b>11-134-190</b>	214.39

**TUBES: HYBRIDIZATION**

**FisherBiotech® Hybridization Tubes**

Fit FisherBiotech Hybridization Incubator rotisseries and most rotisseries that accept standard 35 or 70mm dia. tubes

- Thick-walled borosilicate glass
- Include polypropylene cap and silicone O-ring (additional O-rings for 35mm tubes available; contact your Fisher Scientific Customer Service Representative)

Size	Cat. No.	Pack of 2	Case of 3
35 x 100mm	<b>13-247-100</b>	94.17	----
35 x 150mm	<b>13-247-150</b>	105.57	280.28
35 x 300mm	<b>13-247-300</b>	115.72	296.70
70 x 300mm	<b>13-247-70</b>	70.67	----

**TUBES: VISCOMETER**

**Fisherbrand® Glass Kinematic Viscometer Tubes**

Cannon®-Fenske type

- Available calibrated (with calibration certificate) or uncalibrated
- Excellent precision
- Borosilicate glass
- For measuring kinematic viscosity of petroleum products by ASTM\* D 445
- Specifications also conform to ASTM D 446
- Minimum sample volume, 7mL
- Require liquid bath depth of 203mm



**13-617A**

**ORDERING INFORMATION:** Holder not supplied.

ASTM Size	Viscosity Range	Approx. Constant†	Calibrated		Uncalibrated	
			Cat. No.	Each	Cat. No.	Each
25	0.5 to 2cSt	0.002	<b>13-617A</b>	189.68	<b>13-616A</b>	121.53
50	0.8 to 4cSt	0.004	<b>13-617B</b>	189.68	<b>13-616B</b>	140.58
75	1.6 to 8cSt	0.008	<b>13-617M</b>	189.68	<b>13-616M</b>	140.58
100	3 to 15cSt	0.015	<b>13-617C</b>	189.68	<b>13-616C</b>	140.58
150	7 to 35cSt	0.035	<b>13-617D</b>	189.68	<b>13-616D</b>	140.58
200	20 to 100cSt	0.10	<b>13-617E</b>	189.68	<b>13-616E</b>	140.58
300	50 to 250cSt	0.25	<b>13-617F</b>	189.68	<b>13-616F</b>	140.58
350	100 to 500cSt	0.5	<b>13-617G</b>	189.68	<b>13-616G</b>	140.58
400	240 to 1200cSt	1.2	<b>13-617H</b>	189.68	<b>13-616H</b>	140.58
450	500 to 2500cSt	2.5	<b>13-617J</b>	189.68	<b>13-616J</b>	140.58
500	1600 to 8000cSt	8.0	<b>13-617K</b>	189.68	<b>13-616K</b>	140.58
600	4000 to 20,000cSt	20.0	<b>13-617L</b>	189.68	----	----

† Approximate constant in cSt/s (centistokes per second).



**TUBES: VISCOMETER**

**Fisherbrand\* Glass Opaque Calibrated Viscometer Tubes**

**Cannon\*-Fenske opaque type**

- For measuring viscosity of dark liquids and lubricating oils by ASTM\* D 445
- Borosilicate glass
- With calibration certificate
- Minimum sample volume, 12mL
- Require liquid bath depth of 229mm
- Excellent precision

13-615-5A



**ORDERING INFORMATION:** Holder not supplied.

Popular sizes listed; other sizes available. Contact your Fisher Scientific\* representative for more information.

ASTM Size	Viscosity Range	Approx. Constant	Cat. No.	Each
25	0.4 to 2cSt	0.002cSt/sec.	13-615-5A	212.13
50	0.8 to 4cSt	0.004cSt/sec.	13-615-5B	212.13
100	3 to 15cSt	0.015cSt/sec.	13-615-5C	212.13
150	7 to 35cSt	0.035cSt/sec.	13-615-5D	212.13
200	20 to 100cSt	0.10cSt/sec.	13-615-5E	212.13
300	50 to 250cSt	0.25cSt/sec.	13-615-5F	212.13
350	100 to 500cSt	0.5cSt/sec.	13-615-5G	212.13
400	240 to 1200cSt	1.2cSt/sec.	13-615-5H	212.13
450	500 to 2500cSt	2.5cSt/sec.	13-615-5J	212.13

**Fisherbrand\* Glass Ubbelohde Calibrated Viscometer Tubes**

**For measurement of kinematic viscosities of petroleum products according to ASTM\* D 445 and D 446**

- Certified accurate (certificate included)
- Excellent precision
- Borosilicate glass
- Minimum sample volume, 11mL
- Require liquid bath depth of 241mm

13-614F



**ORDERING INFORMATION:** Holder not supplied

Popular sizes listed; other ASTM sizes available. Contact your Fisher Scientific representative for more information.

ASTM Size	Viscosity Range	Conversion Factor	Cat. No.	Each
0C	0.6 to 3cSt	0.003	13-614F	274.60
1	2 to 10cSt	0.01	13-614A	274.60
1C	6 to 30cSt	0.03	13-614B	274.60
1B	10 to 50cSt	0.05	13-614C	274.60
2	20 to 100cSt	0.1	13-614D	274.60
2C	60 to 300cSt	0.3	13-614E	274.60
2B	100 to 500cSt	0.5	13-614G	274.60
3C	600 to 3000cSt	3.0	13-614H	274.60
4	2000 to 10,000cSt	10	13-614J	274.60

**Fisherbrand\* Glass Vacuum Viscometer Tubes**

**Cannon\*-Manning type**

- Includes calibration certificate
- For measuring viscosities of highly viscous materials such as asphalt cement at 60°C (140°F) according to ASTM\* D 2171
- Minimum sample volume, 6mL
- Require liquid bath depth of 180mm



**ORDERING INFORMATION:** Holder not supplied.

Smaller ASTM sizes available; contact your customer service representative.

13-617-4

ASTM Size	Viscosity Range	Approx. Constant		Cat. No.	Each
		Bulb B	Bulb C		
10	36 to 800Ps	2 Ps/sec.	0.6 Ps/sec.	13-617-1	207.06
11	120 to 2400Ps	6 Ps/sec.	2 Ps/sec.	13-617-2	207.06
12	360 to 8000Ps	20 Ps/sec.	6 Ps/sec.	13-617-3	207.06
13	1200 to 24,000Ps	60 Ps/sec.	20 Ps/sec.	13-617-4	207.06
14	3600 to 80,000Ps	200 Ps/sec.	60 Ps/sec.	13-617-5	207.06

**VIALS: AUTOSAMPLER**

**Fisherbrand\* Standard Opening 2mL Crimp-Top Vials**

**In 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	Cat. No.	Pack of 100
<b>Vials</b>		
Clear	03-391-2	15.53
Amber	03-391-38	18.50
<b>Convenience Kit</b>		
Clear Vials w/Seals and PTFE/Red Rubber Septa	03-391-4	27.26

**VIALS: AUTOSAMPLER**

**Fisherbrand\* Crimp-Top 2mL Autosampler Vials**



03-391-6

- Wide-opening, borosilicate glass vials
- 12 O.D. × 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

Description	Cat. No.	Pack of 100
<b>Vials</b>		
Clear	03-391-5	15.65
Amber I-D	03-391-6	19.67
<b>11mm Aluminum Seals</b>		
PTFE/Red Rubber Septa	03-391-3	10.77
PTFE/Silicone/PTFE Septa	03-391-34	33.87
PTFE/Silicone Septa	03-391-33	27.40
<b>Convenience Kit</b>		
Clear Vials w/Seals and PTFE/Red Rubber Septa	03-391-7	27.72

**Fisherbrand\* 4mL Autosampler Vials**

- 15 × 45mm, 13-425 screw-top vials
- Type 1, borosilicate glass
- Black closures are preassembled with a red and white PTFE/Silicone septa (0.075") and 13-425 GPI thread
- Fully compatible with Waters\* WISP\* and Shimadzu\* autosamplers
- Convenience kit includes 100 vials and 100 caps with septa



03-391-19

Description	Cat. No.	Pack of 100
<b>Vials</b>		
Clear	03-391-19	20.06
Amber	03-391-37	23.39
<b>13-425 Threaded Black Cap w/Septa</b>		
PTFE/Silicone Septa	03-391-21	45.10
<b>Convenience Kit</b>		
Clear Vials w/Black Caps and PTFE/Silicone Septa	03-391-22	62.03

**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	Cat. No.	Pack of 100
<b>Vials</b>		
Clear	03-391-16	19.75
Amber I-D	03-391-36	22.60
<b>Closures</b>		
Blue 9mm PTFE/Silicone Preassembled Closure	03-391-17	37.63
<b>Inserts</b>		
Polyspring Vial Insert, Glass, 300µL	03-391-35	92.23
<b>Convenience Kit</b>		
Clear Vials w/Black Caps and PTFE/Silicone Septa	03-391-18	66.34

**Fisherbrand\* Robotic Screw-Top Autosampler Vials**

2mL, 12 × 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	Cat. No.	Pack of 100
<b>Vials</b>		
Clear Glass	03-391-8	16.29
Amber with Write-on Patch	03-391-9	21.46
<b>Closures</b>		
Blue 9mm PTFE/Silicone Preassembled Closures	03-391-14	23.54
Blue 9mm PTFE/Red Rubber Preassembled Closures	03-391-31	19.53
Blue 9mm PTFE/Silicone/PTFE Preassembled Closures	03-391-32	30.75
<b>Convenience Kit</b>		
Clear Vials w/Blue Caps and PTFE/Silicone Septa	03-391-15	36.39

**Fisherbrand\* 2mL Standard Opening Screw Thread Glass Vials**

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

- Made from 33 expansion borosilicate clear glass (Type 1, Class A) or 51A amber glass
- Without caps

**REQUIRES:** Screw caps (sold separately; see 03-391-46)



03-391-44 and -45

Color	Fill Capacity	Cat. No.	Pack of 100
Clear	1.8mL	03-391-44	21.01
Amber	1.8mL	03-391-45	24.17

**VIALS: AUTOSAMPLER**

**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 I, Class A) or 51A amber glass
- Fit most autosamplers
- Vials with marking area are graduated at 0.5, 1.0 and 1.5mL
- Without caps



03-391-39 and -40

**REQUIRES:** Snap caps (sold separately; see 03-391-42 and 03-391-43)

Description	Capacity	Cat. No.	Pack of 100
Clear, plain	1.8mL	03-391-39	18.32
Clear, with marking area	1.8mL	03-391-40	20.28
Amber, with marking area	1.8mL	03-391-41	21.18

**Fisherbrand\* Shell Vials for Waters\* Autosamplers**

Shell Vials for Waters 48- and 96-Position Autosamplers

- 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

**INCLUDES:** Natural-colored polyethylene SepCap\* closures



03-391-24

Size	Cat. No.	Pack of
1mL	03-391-23	200/19.75
4mL	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

**INCLUDES:** Natural-colored polyethylene push-in caps



03-391-30

Cat. No.	Pack of 1000
03-391-30	229.21

**VIALS: ENVIRONMENTAL**

**Fisherbrand\* Economical Glass EPA Vials**

- Ideal for use in water sampling according to the revised U.S. EPA 40CFR136 and 40CFR141 specifications
- Available in clear and amber Type I borosilicate glass

**INCLUDES:** White polypropylene open-top closures with 0.125" TFE/silicone septa



03-340-120

Capacity	O.D. x H	Cat. No.	Case of 72
<b>Clear</b>			
20mL	28 x 57mm	03-340-121	121.06
40mL	28 x 95mm	03-340-119	158.54
<b>Amber</b>			
20mL	28 x 57mm	03-340-122	161.15
40mL	28 x 95mm	03-340-120	208.99

**Fisherbrand\* EnviroWare\* Assembled Borosilicate Glass EPA Vials**

For the collection and storage of water samples

- Manufactured from Type I, Class A or amber 203 borosilicate glass
- GPI thread 24-400

**ORDERING INFORMATION:** Replacement caps and septa available

**INCLUDES:** White open-top polypropylene closures and 0.005" PTFE/0.120" silicone rubber septa

**COMPLIANCE:** All EnviroWare vials comply with guidelines for establishing test procedures for the analysis of pollutants (Ref. U.S. EPA Methods 601, 602, 603, and 624).

Assembled EPA vials meet the revised U.S. EPA 40CFR136 and 40CFR141 specifications for discrete water sampling.



03-339-14E

Capacity	O.D. x H	Cat. No.	Pack of 72	Case of 6 Pk.
<b>Clear</b>				
20mL	28 x 60mm	03-339-14C	149.75	619.71
40mL	28 x 98mm	03-339-14A	224.49	928.95
<b>Amber</b>				
20mL	28 x 60mm	03-339-14E	178.04	736.66

**VIALS: ENVIRONMENTAL**

**Fisherbrand® Glass EPA Vials**

**Packaged in partitioned trays**

- Borosilicate glass
- Clear vials for general analysis; amber vials for light-sensitive materials
- GPI thread, 24-400



**02-912 Series**

**INCLUDES:** White polypropylene open-top screw caps with 0.125" PTFE /silicone septa

**COMPLIANCE:** Pre-cleaned to meet or exceed EPA standards for volatile organic analysis

Color	Capacity	O.D. × H	Cat. No.	Case of 144
<b>Pre-cleaned with certification</b>				
Clear	10 dr. (40mL)	28 × 95mm	<b>02-912-376</b>	573.22
Amber	10 dr. (40mL)	28 × 95mm	<b>02-912-377</b>	645.89
Clear	5 dr. (20mL)	28 × 57mm	<b>02-912-378</b>	594.83
<b>Pre-cleaned</b>				
Clear	10 dr. (40mL)	28 × 95mm	<b>02-912-379</b>	379.84
Amber	10 dr. (40mL)	28 × 95mm	<b>02-912-380</b>	414.18
Clear	5 dr. (20mL)	28 × 57mm	<b>02-912-381</b>	445.30
Amber	5 dr. (20mL)	28 × 57mm	<b>02-912-382</b>	481.11

**VIALS: SAMPLE**

**Fisherbrand® Class A Clear Glass Threaded Vials**

**For general-purpose applications**

- Low alkali content
- Borosilicate glass vials free of calcium, magnesium and zinc

**ORDERING INFORMATION:** Closures are packaged separately

**INCLUDES:** Autoclavable black phenolic closures with white rubber liners

**COMPLIANCE:** Meet Type I, Class A ASTM\* E 438 requirements.



**03-339-25A**

Capacity	O.D. × H	GPI Thread Finish	Cat. No.	Pack of 144	Case of
1/2 dr. (1.8mL)	12 × 35mm	8-425	<b>03-339-25A</b>	75.70	16 Pk./835.31
1 dr. (3.7mL)	15 × 45mm	13-425	<b>03-339-25B</b>	65.08	16 Pk./718.12
2 dr. (7.4mL)	17 × 60mm	15-425	<b>03-339-25C</b>	79.06	12 Pk./654.32
3 dr. (11.1mL)	19 × 65mm	15-425	<b>03-339-25D</b>	80.62	8 Pk./444.84
4 dr. (14.8mL)	21 × 70mm	18-400	<b>03-339-25E</b>	93.92	8 Pk./518.21
6 dr. (22.2mL)	23 × 85mm	20-400	<b>03-339-25F</b>	119.52	6 Pk./494.57

**VIALS: SAMPLE**

**Fisherbrand® Class A Clear Glass Threaded Vials with Attached Caps**

- General-purpose vials
- Made from Type I, Class A borosilicate glass
- Short style vials feature low profile for greater stability and compound storage
- Packaged in partitioned trays



**02-912-300 Series**

**INCLUDES:** Attached black phenolic screw-top closures

**COMPLIANCE:** Meet ASTM\* Type I, Class A and USP Type I standards

Capacity	O.D. × H	GPI Thread Finish	Cat. No.	Case of
<b>With PTFE-faced white 14B rubber liner</b>				
1/2 dr. (2mL)	12 × 35mm	8-425	<b>02-912-351</b>	288/357.38
1/2 dr. (2mL)	15 × 28mm	13-425	<b>02-912-365</b>	200/200.09
1 dr. (4mL)	15 × 45mm	13-425	<b>02-912-352</b>	144/148.41
1 dr. (4mL)	17 × 38mm	15-425	<b>02-912-366</b>	200/202.61
1 1/2 dr. (6mL)	19 × 40mm	15-425	<b>02-912-367</b>	200/203.85
2 dr. (8mL)	17 × 60mm	15-425	<b>02-912-353</b>	144/177.96
3 dr. (12mL)	19 × 65mm	15-425	<b>02-912-354</b>	144/155.01
4 dr. (16mL)	21 × 70mm	18-400	<b>02-912-355</b>	144/340.77
5 dr. (20mL)	28 × 57mm	24-400	<b>02-912-357</b>	72/132.19
6 dr. (24mL)	23 × 85mm	20-400	<b>02-912-356</b>	144/273.58
6 1/4 dr. (25mL)	28 × 70mm	24-400	<b>02-912-358</b>	72/130.11
8 dr. (30mL)	25 × 95mm	22-400	<b>02-912-359</b>	144/294.35
<b>With low-density polyethylene Poly-Seal* cone liner</b>				
1 dr. (4mL)	15 × 45mm	13-425	<b>02-912-368</b>	144/85.51
2 dr. (8mL)	17 × 60mm	15-425	<b>02-912-369</b>	144/94.31
3 dr. (12mL)	19 × 65mm	15-425	<b>02-912-370</b>	144/96.97
4 dr. (16mL)	21 × 70mm	18-400	<b>02-912-371</b>	144/109.86
5 dr. (20mL)	28 × 57mm	24-400	<b>02-912-373</b>	72/69.89
6 dr. (24mL)	23 × 85mm	20-400	<b>02-912-372</b>	144/127.85
6 1/4 dr. (25mL)	28 × 70mm	24-400	<b>02-912-374</b>	72/67.67
8 dr. (30mL)	25 × 95mm	22-400	<b>02-912-375</b>	144/137.07

**Fisherbrand® Clear Glass Threaded Vials**

- General-purpose vials
- Made from Type I, Class B borosilicate glass

**ORDERING INFORMATION:** Closures are packaged separately

**INCLUDES:** Black phenolic screw-top closures with polyvinyl-faced pulp liners (packed separately)



**03-339-21H**

Capacity	O.D. × H	GPI Thread Finish	Cat. No.	Pack of 144	Case of
0.5 dr. (1.8mL)	12 × 35mm	8-425	<b>03-339-21A</b>	65.08	16 Pk./718.15
1 dr. (3.7mL)	15 × 45mm	13-425	<b>03-339-21B</b>	53.72	16 Pk./592.72
1.5 dr. (5.5mL)	16 × 50mm	13-425	<b>03-339-21C</b>	57.90	16 Pk./638.91
2 dr. (7.4mL)	17 × 60mm	15-425	<b>03-339-21D</b>	61.05	12 Pk./505.20
3 dr. (11.1mL)	19 × 65mm	15-425	<b>03-339-21E</b>	66.47	8 Pk./366.79
4 dr. (14.8mL)	21 × 70mm	18-400	<b>03-339-21F</b>	77.00	8 Pk./424.75
4 dr. (14.8mL)	28 × 57mm	24-400	<b>03-339-21J</b>	93.79	3 Pk./194.06
6 dr. (22.2mL)	23 × 85mm	20-400	<b>03-339-21G</b>	81.79	6 Pk./338.41
6 dr. (22.2mL)	28 × 70mm	24-400	<b>03-339-21K</b>	100.09	3 Pk./207.07
8 dr. (29.6mL)	25 × 95mm	22-400	<b>03-339-21H</b>	88.36	4 Pk./243.74
9.5 dr. (35.1mL)	28 × 95mm	24-400	<b>03-339-21M</b>	108.09	3 Pk./223.64
11 dr. (40.7mL)	28 × 108mm	24-400	<b>03-339-21N</b>	114.94	3 Pk./237.79

**VIALS: SAMPLE**

**Fisherbrand\* Class B Clear Glass Threaded Vials**

**Autoclavable**

- Made from Type I, Class B borosilicate glass
- Will not alter pH of sample

**ORDERING INFORMATION:** Closures are packaged separately

**INCLUDES:** Black phenolic screw-top closures with white rubber liners



03-339-22 Series

Capacity	O.D. x H	GPI Thread Finish	Cat. No.	Pack of 144	Case of
1/2 dr. (1.8mL)	12 x 35mm	8-425	03-339-22A	74.31	16 Pk./819.91
1 dr. (3.7mL)	15 x 45mm	13-425	03-339-22B	60.26	16 Pk./664.95
1 1/2 dr. (5.5mL)	16 x 50mm	13-425	03-339-22C	87.28	16 Pk./963.09
2 dr. (7.4mL)	17 x 60mm	15-425	03-339-22D	68.77	12 Pk./569.12
3 dr. (11.1mL)	19 x 65mm	15-425	03-339-22E	70.98	8 Pk./391.61
4 dr. (14.8mL)	21 x 70mm	18-400	03-339-22F	86.44	8 Pk./476.84
4 dr. (14.8mL)	28 x 57mm	24-400	03-339-22J	120.08	3 Pk./248.46
6 dr. (22.2mL)	23 x 85mm	20-400	03-339-22G	96.93	6 Pk./401.09
6 dr. (22.2mL)	28 x 70mm	24-400	03-339-22K	122.96	3 Pk./254.36
8 dr. (29.6mL)	25 x 95mm	22-400	03-339-22H	105.94	4 Pk./292.24
9 1/2 dr. (35.1mL)	28 x 95mm	24-400	03-339-22M	128.66	3 Pk./266.19
11 dr. (40.7mL)	28 x 108mm	24-400	03-339-22N	133.82	3 Pk./276.86

**Fisherbrand\* Clear Glass Threaded Vials with Closures Attached**

- General-purpose vials
- Made from Type I, Class B borosilicate glass

**INCLUDES:** Attached black phenolic screw-top closures with polyvinyl-faced pulp liner



03-338C

Capacity	O.D. x H	GPI Thread Finish	Cat. No.	Pack of	Case of
0.5 dr. (1.8mL)	12 x 35mm	8-425	03-338AA	144/95.74	36 Pk./2377.06
1 dr. (3.7mL)	15 x 45mm	13-425	03-338A	144/90.28	16 Pk./996.25
1.5 dr. (5.5mL)	16 x 50mm	13-425	03-338B	144/93.79	18 Pk./1164.25
2 dr. (7.4mL)	17 x 60mm	15-425	03-338C	144/95.64	12 Pk./791.53
3 dr. (11.1mL)	19 x 65mm	15-425	03-338D	144/110.80	12 Pk./916.93
4 dr. (14.8mL)	21 x 70mm	18-400	03-338F	144/115.59	8 Pk./637.73
4 dr. (14.8mL)	28 x 57mm	24-400	03-338E	72/76.34	10 Pk./526.48
6 dr. (22.2mL)	23 x 85mm	20-400	03-338H	144/142.40	6 Pk./589.22
6 dr. (22.2mL)	28 x 70mm	24-400	03-338G	72/89.21	8 Pk./492.17
8 dr. (29.6mL)	25 x 95mm	22-400	03-338J	72/105.74	8 Pk./583.34
9.5 dr. (35.1mL)	28 x 95mm	24-400	03-338K	72/98.06	6 Pk./405.80
11 dr. (40.7mL)	28 x 108mm	24-400	03-338L	72/111.79	6 Pk./462.60

**Fisherbrand\* Class B Amber Glass Threaded Vials**

*With Closures Packaged Separately*

**General-purpose vials for light-sensitive materials**

- Made from Type I, Class B amber borosilicate glass
- Autoclavable

**ORDERING INFORMATION:** Closures are packaged separately

**INCLUDES:** Black phenolic screw-top closures with white rubber liners



03-339-23A

Capacity	O.D. x H	GPI Thread Finish	Cat. No.	Pack of 144	Case of
0.5 dr. (1.8mL)	12 x 35mm	8-425	03-339-23A	85.46	16 Pk./942.99
1 dr. (3.7mL)	15 x 45mm	13-425	03-339-23B	73.77	16 Pk./814.02
2 dr. (7.4mL)	17 x 60mm	15-425	03-339-23C	82.48	12 Pk./682.65
4 dr. (14.8mL)	21 x 70mm	18-400	03-339-23D	101.65	8 Pk./560.83
8 dr. (29.6mL)	25 x 95mm	22-400	03-339-23E	126.52	4 Pk./349.02

**Fisherbrand\* Class B Amber Glass Threaded Vials with Attached Caps**

**Packaged in partitioned trays**

- General-purpose vials for light-sensitive materials
- Made from Type I, Class B amber borosilicate glass
- Autoclavable

**INCLUDES:** Attached black phenolic screw-top closures with PTFE-faced white 14B rubber liners

**COMPLIANCE:** Meet ASTM\* Type I, Class B and USP Type I standards



02-912-360 Series

Capacity	O.D. x H	GPI Thread Finish	Cat. No.	Case of
1/2 dr.	12 x 35mm	8-425	02-912-360	288/319.32
1 dr.	15 x 45mm	13-425	02-912-361	144/146.68
2 dr.	17 x 60mm	15-425	02-912-362	144/154.95
5 dr.	28 x 57mm	24-400	02-912-363	72/87.41
10 dr.	28 x 95mm	24-400	02-912-364	72/90.89

**VIALS: SAMPLE**

**Fisherbrand® Glass Tooled-Neck Vials with Polyethylene Closures**

**General purpose**

- Made from Type 1, N-51A borosilicate glass
- Tooled necks ensure accurate fit with closures

**INCLUDES:** The 1- and 2-dram sizes come with open-bottom closures; all other sizes come with closed-bottom, two-piece closures. (Closures are packaged separately)



03-339-27A

Capacity	O.D. × H	Cat. No.	Pack of 144	Case of
1 dr. (3.7mL)	15 × 45mm	03-339-27A	51.89	16 Pk./572.62
2 dr. (7.4mL)	19 × 48mm	03-339-27B	58.83	10 Pk./405.77
3 dr. (11.1mL)	21 × 50mm	03-339-27C	67.12	8 Pk./370.34
4 dr. (14.8mL)	25 × 52mm	03-339-27D	78.06	6 Pk./323.02
5 dr. (18.5mL)	27 × 55mm	03-339-27E	87.91	4 Pk./242.54
7 dr. (25.9mL)	29 × 65mm	03-339-27F	93.20	3 Pk./192.84

**VIALS: SCINTILLATION**

**Fisherbrand® 7mL Borosilicate Glass Scintillation Vial**

**Smaller capacity vial saves in solvent use and disposal**

**ORDERING INFORMATION:** Packed in five shrink-wrapped trays of 200 vials; five polybags of 200 caps

**INCLUDES:** White plastic screw cap with cork-backed metal foil liner



03-337-26

O.D. × H	GPI Thread Finish	Cat. No.	Case of 1000
17 × 54mm	15-425	03-337-26	381.72

**Fisherbrand® 20mL Borosilicate Glass Scintillation Vials**

**Fit all common counters**

- Potassium-free glass provides consistently low activity counts and excellent light transmission
- Caps fit GPI 22-400 thread finish and are suitable for marking

**ORDERING INFORMATION:** O.D. × H (with cap):

1 1/8 × 2 3/8" (28 × 61mm). Vials with caps attached are shrink-wrapped in five trays of 100 per case. When caps are separate, vials are shrink-wrapped in five trays of 100 per case, and caps are packed in five polybags of 100 caps each.



03-337-15

Cap Style	Packaging	Cat. No.	Case of 500
<b>White Urea Caps</b>			
Cork-backed metal foil liner	Caps attached	03-337-5	216.89
Cork-backed metal foil liner	Caps separate	03-340-4E	231.26
Cone-shaped plastic liner	Caps separate	03-337-7	309.30
<b>White Polypropylene Caps</b>			
Pulp-backed metal foil liner	Caps attached	03-337-4	231.98
Pulp-backed metal foil liner	Caps separate	03-337-15	206.17
<b>White Polyethylene Caps</b>			
No liner	Caps separate	03-337-14	190.68

**VIALS: SHELL**

**Fisherbrand® Glass Shell Vials**

**Straight-sided**

- Made from Type 1, N-51A borosilicate glass
- Ideal for storing dry products
- Good visibility of contents

**ORDERING INFORMATION:** Vials without closures use corks (sold separately)



03-339-26G

Capacity	O.D. × H	Cat. No.	Pack of 144	Case of
<b>Bulk pack with Tite-Seal® closures</b>				
1/2 dr. (1.8mL)	12 × 35mm	03-339-26A	42.88	16 Pk./473.23
1 dr. (3.7mL)	15 × 45mm	03-339-26B	40.63	16 Pk./448.33
2 dr. (7.4mL)	19 × 51mm	03-339-26C	49.61	12 Pk./410.55
3 dr. (11.1mL)	19 × 65mm	03-339-26D	67.98	8 Pk./375.06
7 dr. (25.9mL)	29 × 65mm	03-339-26F	113.24	3 Pk./234.29
10 dr. (37.0mL)	29 × 80mm	03-339-26G	116.66	3 Pk./241.37
12 dr. (44.4mL)	29 × 94mm	03-339-26H	119.51	3 Pk./247.26
<b>Lab pack without closures</b>				
1/4 dr. (0.9mL)	9 × 30mm	03-339-30A	34.32	10 Pk./236.67
1/2 dr. (1.8mL)	12 × 35mm	03-339-30B	27.63	10 Pk./190.50
1 dr. (3.7mL)	15 × 45mm	03-339-30C	33.80	10 Pk./233.04
1 1/2 dr. (5.5mL)	15 × 50mm	03-339-30D	56.49	6 Pk./233.74
2 dr. (7.4mL)	17 × 60mm	03-339-30E	70.91	6 Pk./293.42
3 dr. (11.1mL)	19 × 65mm	03-339-30F	57.21	6 Pk./236.71
4 dr. (14.8mL)	21 × 70mm	03-339-30G	61.34	4 Pk./169.21
6 dr. (22.2mL)	23 × 85mm	03-339-30H	71.20	4 Pk./196.41
8 dr. (29.6mL)	25 × 95mm	03-339-30J	117.10	4 Pk./323.05

**ACCESSORIES**

**Fisherbrand\* Sparkleen\* 1 Detergent**

Removes proteins, fats, oils, media, wax pencil marks, dried blood and other organic-inorganic deposits from glassware

Especially valuable in exacting titrations and analyses. Excellent for presterilization cleaning and as soak solution to loosen frozen glass joints.

- Fast-dissolving powder
- Free rinsing
- For manual washing
- Contains phosphates
- Softens water, removes stains



04-320-4

Size	Cat. No.	Each	Case of 12
3 1/4 lb. box (1.5kg)	04-320-4	50.22	495.14
100 lb. drum (45kg)	04-320-5	848.03	----

**Fisherbrand\* Glass-Disposal Boxes**

Keep glass separate from other waste

- Sturdy, corrugated cardboard
- Lined with tough, 2mil-thick polybag
- Identifying graphics with instructions (intermediate and floor models have top cover instructions in English and Spanish)
- Unique integral lid provides added safety

12-009-7A (box),  
17-988-449  
(holder, available separately)



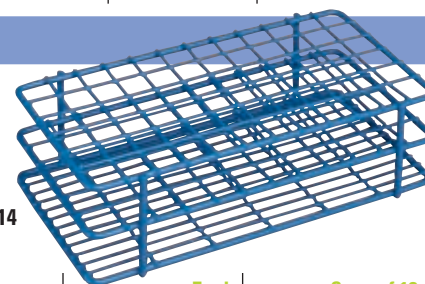
Model	L x W x H	Cat. No.	Pack of 6
Benchtop	8 x 8 x 10" (20 x 20 x 25cm)	12-009-7B	60.00
Intermediate	12 x 12 x 20" (30 x 30 x 51cm)	17-988-448	62.00
Floor	12 x 12 x 27" (30 x 30 x 69cm)	12-009-7A	97.50

Model	L x W x H	Cat. No.	Each
Benchtop	10 x 10 x 10.75" (25.4 x 25.4 x 27.3cm)	17-988-451	160.00
Intermediate	13 x 13 x 20.25" (33 x 33 x 52.1cm)	17-988-450	300.00
Floor	13 x 13 x 27.75" (33 x 33 x 70.5cm)	17-988-449	443.00

**Fisherbrand\* Poxygrid\* Test Tube Racks**

Resist rust, corrosion, abrasives, organic solvents, acids, and alkalis

- Epoxy-coated, heavy-gauge steel wire
- Three decks and no legs
- Square holes hold test tubes securely
- Autoclavable
- Withstand temperatures to 121°C (250°F)



14-793-14

For Tube Size	No. of Places	No. of Rows	Dimensions (L x W x H)	Cat. No.	Each	Case of 12
13mm	72	6 x 12	7.88 x 4 x 2.13" (20 x 10 x 5.4cm)	14-793-14	57.09	585.55
13mm	108	9 x 12	8 x 6.13 x 2.38" (20 x 16 x 6cm)	14-793-15	70.89	739.78
16mm	48	4 x 12	9.5 x 3.38 x 2.5" (24.1 x 8.6 x 6.4cm)	14-793-11	61.68	632.70
16mm	72	6 x 12	9.25 x 4.75 x 2.75" (23.5 x 12 x 7cm)	14-793-12	57.09	585.55
16mm	108	9 x 12	9.5 x 7.13 x 2.63" (24.1 x 18 x 6.7cm)	14-793-13	69.18	721.87
20mm	40	4 x 10	9.38 x 3.88 x 3.25" (23.8 x 9.8 x 8.3cm)	14-793-9	68.80	717.94
20mm	80	8 x 10	9.63 x 7.63 x 3" (24.4 x 19 x 7.6cm)	14-793-10	66.79	697.01
22mm	40	4 x 10	10.25 x 4.88 x 3.25" (26 x 11 x 8.3cm)	14-793-7	58.82	603.29
22mm	80	8 x 10	10.38 x 8.38 x 3.5" (26 x 21 x 8.9cm)	14-793-8	73.79	769.96
25mm	40	4 x 10	11.5 x 4.75 x 3.63" (29 x 12 x 9cm)	14-793-6	54.74	561.43
25mm	80	8 x 10	11.5 x 9.25 x 3.5" (29 x 23.5 x 8.9cm)	14-793-5	79.67	831.22
30mm	24	3 x 8	10.88 x 4.25 x 3.25" (28 x 11 x 8.3cm)	14-793-3	68.80	717.94
30mm	48	6 x 8	10.88 x 8.13 x 4" (28 x 21 x 10cm)	14-793-4	79.51	829.70
40mm	24	3 x 8	14 x 5.5 x 4" (36 x 14 x 10cm)	14-793-1	68.80	717.94
40mm	48	6 x 8	14 x 10.63 x 3.88" (36 x 27 x 9.8cm)	14-793-2	72.31	754.48

**Fisherbrand\* Covered Lead Rings for Flasks**

Stabilize Erlenmeyer flasks immersed in water baths

- Reduce costly breakage and spilling
- Tough chemical-resistant coating



05-869 Series

For Flask Size	I.D.	Cat. No.	Each
125 to 500mL	1 5/8" (41mm)	05-869-5	19.33
250 to 1000mL	2" (51mm)	05-869-6	21.36
500 to 2000mL	2 1/8" (56mm)	05-869-7	25.46
1000 to 4000mL	2 3/4" (70mm)	05-869-8	27.51

**Fisherbrand\* Color-Coded ABS Plastic Boxes for 25 or 100 Slides**

Provide dust-free storage; available in five colors

Sturdy, color-coded ABS plastic boxes accommodate either 25 or 100 slides.

- Hold 3 x 1" and 75 x 25mm slides
- Numbered slide partitions correspond to numbered index card in lid
- Stackable
- 100-slide box comes with hinged lid



03-448-1 through -5

Color	Cat. No.	Each	Case of 72
<b>Hold 25 Slides</b>			
Blue	03-448-6	13.60	748.35
Green	03-448-7	13.60	748.35
Red	03-448-8	13.60	748.35
Yellow	03-448-9	13.60	748.35
White	03-448-10	13.88	748.35
<b>Hold 100 Slides</b>			
Blue	03-448-1	23.29	1255.62
Green	03-448-2	23.29	1255.62
Red	03-448-3	23.29	1255.62
Yellow	03-448-4	23.29	1255.62
White	03-448-5	23.29	1255.62



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