

VWR®

THE ESSENTIALS

of Sample Collection and Storage

FEATURING OVER 1000
Innovative Products for your Sample Collecting and Storage Needs

VWR® FOAM AND COTTON HEAD SWABS Page 9 | VWR® CARBOYS WITH VERSATILE CAPS AND ADAPTERS Page 21 | VWR® symphony ULTRA-LOW TEMPERATURE FREEZERS Page 50



At VWR, we understand that maintaining sample integrity is of the highest importance for your research. That's why we offer a large portfolio of products from our top suppliers that will help keep your valuable samples safe and secure. In this edition of *Essentials*, you'll also find information on choosing the best containers for your application and prolonging the life of your glassware - making this a collection that you'll want to sample again and again.

CONTENTS

Collection

Scoops, Spoons, & Spatulas ... **3-6**
Ladles & Dippers ... **7**
Swabs ... **8-9**
Tongs & Forceps ... **10-11**

Containment

Plastic Bottles ... **12-23**
Glass or Plastic – Choosing the Best For Your Application ... **23**
Glass Bottles ... **24-28**
Square Bottles ... **29**
Media Bottles ... **30-32**
Autoclaving Laboratory Glassware ... **33**
Serum Vials ... **34**
Recommendations for the Care and Use of Glassware ... **34**
Scintillation Vials ... **35-36**
Sample Vials ... **36-39**
High Recovery Vials ... **40**
Ampules ... **41**
Cryovials ... **42-43**

Storage

Labels ... **44**
Cryo Boxes ... **45-46**
Freeze Controllers ... **46**
Racks ... **47-48**
Dewars ... **49**
Freezers/Refrigerators ... **50-55**





Scienceware®
TOOLS FOR SCIENCE FROM BEL-ART PRODUCTS
Bel-Art Products





Sterileware® Sampler Scoops, SCIENCEWARE®

- Use for one-step, sterile sampling of dry or slurry material
- Available in red or white high-impact polystyrene
- Sterile; individually packaged and sealed in polyethylene bags

Capacity, mL (oz.)	Dimensions, L x W x D, cm (in.)	Total Length, cm (in.)	Cat. No.	Case of 100
White Scoops				
60 (2)	7.6 x 2.5 x 3.8 (3 x 1 x 1 1/2)	20.3 (8)	**56924-503**	**113.12**
125 (4)	8.9 x 2.5 x 4.4 (3 1/2 x 1 x 1 3/4)	22.1 (8 11/16)	**56924-536**	**145.65**
250 (8)	12.7 x 5.1 x 5.1 (5 x 2 x 2)	19 (7 1/2)	**56924-569**	**253.26**
Red Scoops				
60 (2)	7.6 x 2.5 x 3.8 (3 x 1 x 1 1/2)	20.3 (8)	**47751-004**	**141.17**
125 (4)	8.9 x 2.5 x 4.4 (3 1/2 x 1 x 1 3/4)	22.1 (8 11/16)	**47751-006**	**158.67**
250 (8)	12.7 x 5.1 x 5.1 (5 x 2 x 2)	19 (7 1/2)	**47751-008**	**213.30**



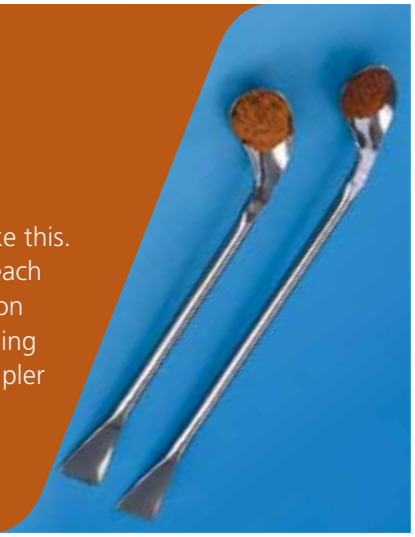
Sterileware® Sampler Spoons, SCIENCEWARE®

- For small amounts of dry or slurry samples
- Long handle reaches easily into confined areas and minimizes contamination potential
- Polystyrene spoons are meant to be disposable
- Sterile; individually packaged and sealed in polyethylene bags

Capacity, mL (tsp)	Cat. No.	Pack of 200
1.23 (1/4)	**56925-109**	**191.37**
2.46 (1/2)	**56925-131**	**195.65**
4.93 (1)	**56925-164**	**176.49**
14.79 (3)	**56925-197**	**175.23**

FOCUS Information

You've never seen a sampling spoon quite like this. It has a unique angled spoon end that can reach into corners of bottles and other containers on one end. The other end is a spatula for scraping to ensure no material is left behind. This sampler works well for crystals, powders, granules, solids, and even thick liquids.



Ellipso-Spoon® Samplers, SCIENCEWARE®

- Features a long bent handle
- Stainless steel



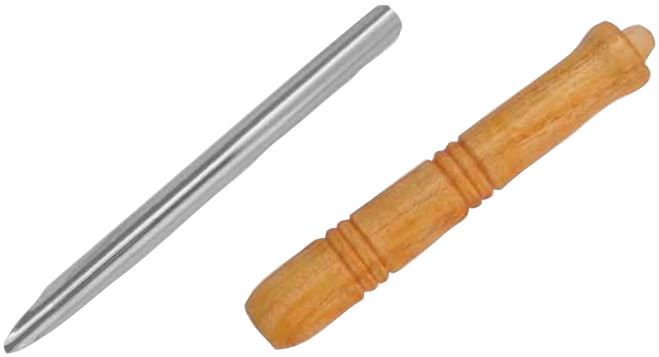
Handle Length, cm (in.)	Cat. No.	Each
10 mL (1.6g) Bowl Capacity		
15 (5 7/8)	**70690-178**	**23.60**
18 (7 1/8)	**13197-390**	**32.05**
21 (8 1/4)	**13197-392**	**34.26**
70 mL (1.6g) Bowl Capacity		
30 (11 7/8)	**47727-724**	**50.87**
40 (15 3/4)	**70680-298**	**55.82**
50 (19 11/16)	**13197-398**	**70.00**



VWR® Scoop

- PTFE scoop is useful for transferring frozen substances and other non-liquids
- Chemically inert

Dimensions, L x W x D, cm (in.)	Cat. No.	Each
8 x 3 x 2 (3 1/8 x 1 1/8 x 3/4)	**89026-220**	**42.69**



VWR® Lab Scoop

- Stainless steel
- Handle sold separately

Description	Cat. No.	Case of 60
Scoop	**82027-498**	**124.21**
Handle	**82027-500**	**309.54**



Scoops, SCIENCEWARE®

- Excellent for use with dry powders, granules, or crystals
- Polyethylene scoops have a closed back, ergonomically angled handle, and a non-spill shape

Capacity, L (gal.)	Diameter, cm (in.)	Cat. No.	Each
2 (1/2)	15.2 (6)	**70680-280**	**45.69**
4 (1)	19 (7 1/2)	**66190-086**	**65.87**



Sterileware® Economy Sampling Scoops, SCIENCEWARE®

- Molded from durable, white, high-impact polystyrene
- One-piece scoops feature a flat bottom to allow use as a weighing boat
- Intended for one time use and disposal
- Sterile; individually packaged and supplied 50/box

Capacity, mL (oz.)	Cat. No.	Each
63 (2)	**74950-200**	**45.50**
83 (2.7)	**74950-202**	**52.34**
125 (4)	**74950-204**	**58.83**
250 (8)	**74950-206**	**76.94**

Sterileware® Sense-able™ Detectable Scoops, SCIENCEWARE®

- Disposable plastic scoops are detectable with x-ray equipment in case of contamination, quarantine, or recall
- The FDA grade resin is evenly distributed throughout, allowing all fragments to be detected in case of breakage
- Extra-long handles reduce contamination potential
- Scoops remain upright whether filled or empty and may be used as weigh boats
- Sterile; individually packaged and sealed in polyethylene bags



Capacity, mL (oz.)	Cat. No.	Pack of 100
60 (2)	**89093-476**	**158.38**
125 (4)	**89093-480**	**242.36**
250 (8)	**89093-478**	**410.38**



ORDERING PRODUCTS IS EASY THROUGH VWR.COM

Our web site gives you maximum control over the ordering process. With all of the available options, you can simplify your purchasing process by matching it to your own business practices.

Sterileware® Economy Sampling Spoons, SCIENCEWARE®

- For sampling small quantities of dry or liquid material
- Feature a flat bottom to allow use as a weighing boat
- Constructed of durable, white, high-impact polystyrene
- Intended for one-time use and disposal
- Sterile; individually wrapped

Capacity, mL (oz.)	Cat. No.	Price
1.25 (0.04)	**74950-181**	Cs. 100/ **79.88**
2.5 (0.08)	**74950-183**	Cs. 100/ **79.88**
5 (0.17)	**74950-185**	Cs. 100/ **79.88**
8 (0.27)	**71000-128**	Pk. 12/ **14.00**
8 (0.27)	**74950-187**	Cs. 100/ **79.88**
20 (0.67)	**71000-130**	Pk. 12/ **14.00**
20 (0.67)	**74950-189**	Cs. 100/ **79.88**









Sterileware® Large Sampling Spoon, SCIENCEWARE®

- Ideal for sampling semisolids, viscous liquids, or bulk materials
- Molded from high-impact polystyrene with a long handle to minimize contamination potential and simplify collection
- Intended for one-time use and disposal
- Sterile

Capacity, mL (oz.)	Length, cm (in.)	Cat. No.	Case of 25
25 (0.8)	25.4 (10)	**47727-682**	**59.11**



Mini Sampler Spoons, SCIENCEWARE®

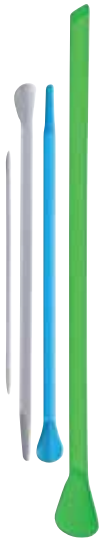
- Ideal for retrieving small samples of powders or similar materials
- Molded of white, high-impact polystyrene

Capacity, mL	Cat. No.	Each
0.05	**74950-170**	**23.07**
0.1	**74950-172**	**18.85**
0.25	**74950-174**	**18.85**
0.5	**74950-176**	**16.55**
1	**74950-178**	**18.85**

DISCOVER MORE CHOICES WITH VWR

Visit vwr.com to browse our selection of catalogs and technical data. You'll find the information you need at your fingertips. VWR's fast, powerful search capabilities allow you to "Search" or use "More Options" for more advanced lookups.





VWR® Disposable Spatulas

- Versatile design allows use as a spatula, spoon, scraper, stirring rod, or policeman
- Hollow core minimizes thermal transfer for effective collection of liquid nitrogen frozen samples
- Micro spatula features two V-shaped, sharpened tip ends
- Macro spatula features a spatula end and a pick end
- Polypropylene material complies with FDA standards for food contact applications

Type	Color	Length, cm (in.)	Cat. No.	Pack of
Macro	Green	31 (12 1/4)	**80081-192**	150/ **44.48**
Micro Antistatic	Opaque	14 (5 1/2)	**80081-194**	300/ **24.90**
Standard	Blue	21 (8 1/4)	**80081-188**	300/ **39.03**
Standard	Opaque	21 (8 1/4)	**80081-190**	300/ **39.03**
Standard, Sterile	Opaque	21 (8 1/4)	**89097-816**	100/ **109.10**

VWR® Porcelain Spatulas

- Feature a spatula on one end and a spoon on the other
- Chemically resistant
- Glazed porcelain



Capacity, mL	Length, cm (in.)	Cat. No.	Case of
0.1	9.9 (3 7/8)	**89038-203**	24/ **106.68**
0.3	12.3 (4 7/8)	**89038-204**	24/ **492.93**
0.5	16.5 (6 1/2)	**89038-206**	12/ **426.66**
1	19.5 (7 5/8)	**89038-208**	12/ **510.09**
6	25.4 (10)	**89038-210**	8/ **493.32**



VWR® Microspatulas

- Ideal for applications involving the transfer and mixing of small sample amounts
- Stainless steel

Description	Length, cm (in.)	Cat. No.	Case of 60
One Spoon End Only			
Micro Spoon	16.5 (6 1/2)	**82027-526**	**333.19**
Spatula/Spoon Ends			
Rounded Spatula/Spoon	16.5 (6 1/2)	**82027-522**	**417.99**
Tapered Bent-Tip Spatula/Spoon	16.5 (6 1/2)	**82027-524**	**417.99**
Flat Spatula/Spoon	22.9 (9)	**82027-532**	**447.55**
Two Spatula Ends			
Rounded/Flat Spatulas	17.8 (7)	**82027-528**	**569.79**
Rounded/Flat Spatulas	22.9 (9)	**82027-492**	**887.21**
Rounded/Flat Spatulas	25.4 (10)	**82027-486**	**1094.23**
Rounded/Flat Spatulas	30.5 (12)	**82027-488**	**1287.45**
Rounded/Flat Spatulas	45.7 (18)	**82027-496**	**1497.63**
Rounded/Tapered Spatulas	16.5 (6 1/2)	**82027-520**	**417.99**
Rounded/Tapered Spatulas	17.8 (7)	**82027-490**	**561.37**
Rounded/Tapered Spatulas	20.3 (8)	**82027-518**	**417.99**



Sterileware® Sample Spatula, SCIENCEWARE®

- Ideal for powdered and granulated materials
- V-shaped spatula has permanent handle designed to prevent sample contamination
- Sturdy edge will break up caked material
- Constructed of white polystyrene and designed to be disposable
- Sterile; individually packaged and sealed in polyethylene bags

Capacity, mL (oz.)	Length, cm (in.)	Cat. No.	Pack of 100
36 (1.2)	22.9 (9)	**56924-809**	**149.70**



VWR® Traceable® Spatula Balance™

- Suitable for transferring and weighing crystals, granulated material, solids, liquids, and precipitates
- Chemical/corrosion-resistant ABS plastic allows material transfer without sticking
- See-through scoop detaches from balance for dishwasher-safe cleaning
- Digital display is located in the easy-to-grip handle
- Three-position soft-touch keys in the handle activate the tares, hold, and gram/ounce functions
- Traceable to standards provided by the National Institute of Standards and Technology

Capacity, mL (oz.)	Weighing Range, g (oz.)	Cat. No.	Each
32 (1.1)	0–300 (0–10.6)	**89047-296**	**35.45**



VWR® Dippers

- Suitable for sampling the most aggressive media
- Feature a 60cm (23⅝") long, steel shaft encapsulated in PTFE for rigidity

Capacity, mL (oz.)	Cat. No.	Each
100 (3.3)	**89026-080**	**155.08**
250 (8.3)	**89026-082**	**169.51**
500 (16.7)	**89026-084**	**203.96**
1000 (33.3)	**89026-078**	**259.08**
Accessory		
Shaft Only	**89026-222**	**111.88**



Scienceware® TOOLS FOR SCIENCE FROM BEL-ART PRODUCTS
Bel-Art Products

Ladle, SCIENCEWARE®

- HDPE ladle is ideal for sampling and dispensing corrosive liquids
- Handle is securely welded 30° from horizontal

Capacity, mL (oz.)	Handle Length	Cat. No.	Each
50 (1.69)	23 (9)	**36494-108**	**23.60**

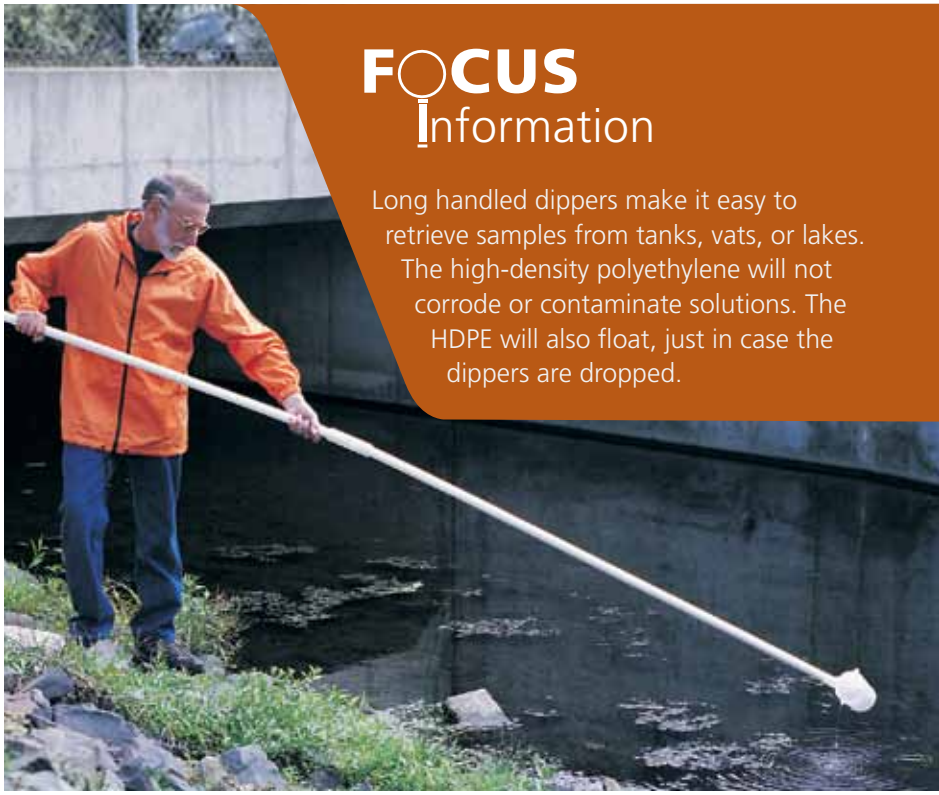


Long-Handled Dippers, SCIENCEWARE®

- Handle is 2.9cm (1⅛") dia. and is welded to the rigid bowl at a 45° angle
- Handles feature a hook at the end for convenient hanging

Handle Length, m (ft.)	Cat. No.	Each
500 mL (16 oz.) Dipper		
0.9 (3)	**13197-232**	**44.36**
1.8 (6)	**56920-060**	**70.24**
3.7 (12), One-Piece*	**47727-714**	**118.21**
3.7 (12), Two-Piece	**13197-238**	**124.26**
1 L (32 oz.) Dipper		
0.9 (3)	**13197-234**	**63.24**
1.8 (6)	**13197-236**	**75.39**
3.7 (12), One-Piece*	**47727-716**	**133.33**
3.7 (12), Two-Piece	**13197-240**	**126.29**

*These dippers will ship as oversized.



FOCUS Information

Long handled dippers make it easy to retrieve samples from tanks, vats, or lakes. The high-density polyethylene will not corrode or contaminate solutions. The HDPE will also float, just in case the dippers are dropped.



All swabs shown at actual size

VWR Foam Head Swabs

- Ideal for use in controlled environments
- Withstand most widely used solvents
- Nonabrasive to protect delicate components
- Swabs with 100ppi Open-Cell Polyurethane Foam Head and 100% Virgin Polypropylene Handle

	Head Type	Head Width, mm (in.)	Head Length, mm (in.)	Handle Width, mm (in.)	Handle Length, mm (in.)	Total Swab Length, mm (in.)	Cat. No.	Case of
A	Micro	3.2 (0.126)	10.0 (0.394)	2.2 (0.087)	59.7 (2.350)	69.7 (2.744)	**89023-000**	2500/ **254.49**
B	Small	3.6 (0.142)	12.0 (0.472)	3.0 (0.118)	59.0 (2.323)	71.0 (2.795)	**89022-994**	2500/ **278.99**
C	Medium	6.2 (0.244)	17.0 (0.669)	3.2 (0.126)	146.5 (5.768)	163.5 (6.437)	**89022-990**	2500/ **452.91**
D	Small, Flexible	3.4 (0.134)	11.0 (0.433)	2.4 (0.094)	57.5 (2.264)	68.5 (2.697)	**89022-992**	2500/ **296.27**
E	Medium, Flexible	4.6 (0.181)	16.0 (0.630)	2.5 (0.098)	149.2 (5.874)	165.2 (6.504)	**89009-338**	1000/ **2053.93**
F	Large, Flexible	7.0 (0.276)	21.0 (0.827)	4.3 (0.169)	93.0 (3.661)	114.0 (4.488)	**89022-988**	1000/ **284.81**
G	Mini-Pointed, Compressed	3.5 (0.138)	10.0 (0.394)	3.0 (0.118)	79.0 (3.110)	89.0 (3.504)	**89022-996**	2500/ **386.58**
H	Small-Pointed, Compressed	3.4 (0.134)	20.0 (0.787)	2.5 (0.098)	50.0 (1.969)	70.0 (2.756)	**89022-998**	2500/ **384.57**
I	Large, Rectangular	13.5 (0.531)	25.4 (1.000)	4.9 (0.193)	126.9 (4.996)	152.3 (5.996)	**89031-286**	1000/ **285.49**
J	Extra-Large, Rectangular	15.0 (0.591)	25.0 (0.984)	6.6 (0.260)	106.0 (4.173)	131.0 (5.157)	**89022-984**	1000/ **262.32**
K	Paddle-Shaped, Flexible	4.8 (0.189)	15.1 (0.594)	3.1 (0.122)	152.3 (5.996)	167.4 (6.591)	**89031-276**	1000/ **215.37**
	Swab with 100ppi Closed-Cell Polyurethane Foam Head and 100% Virgin Polypropylene Handle							
L	Medium, Flexible	4.8 (0.189)	12.0 (0.472)	4.3 (0.169)	93.0 (3.661)	105.0 (4.134)	**89022-986**	1000/ **288.57**
	Swab with 100ppi Polyurethane Foam Head and Wood Handle							
M	Medium	4.8 (0.189)	17.5 (0.689)	2.1 (0.083)	149.2 (5.874)	166.7 (6.563)	**89031-274**	1000/ **193.76**
	Swabs with Reticulated Foam Head and Extra-Rigid, Glass-Filled Polypropylene Handle							
N	Cone-Shaped	3.9 (0.154)	17.5 (0.689)	2.5 (0.098)	82.8 (3.260)	100.3 (3.949)	**89031-282**	1000/ **140.94**
O	Extended Length	4.1 (0.161)	25.4 (1.000)	2.5 (0.098)	82.8 (3.260)	108.2 (4.260)	**89031-284**	1000/ **303.73**
P	Fine Point	1.8 (0.071)	14.6 (0.575)	2.4 (0.094)	159.9 (6.295)	174.5 (6.870)	**89031-294**	1000/ **302.66**

VWR Cotton Head Swabs

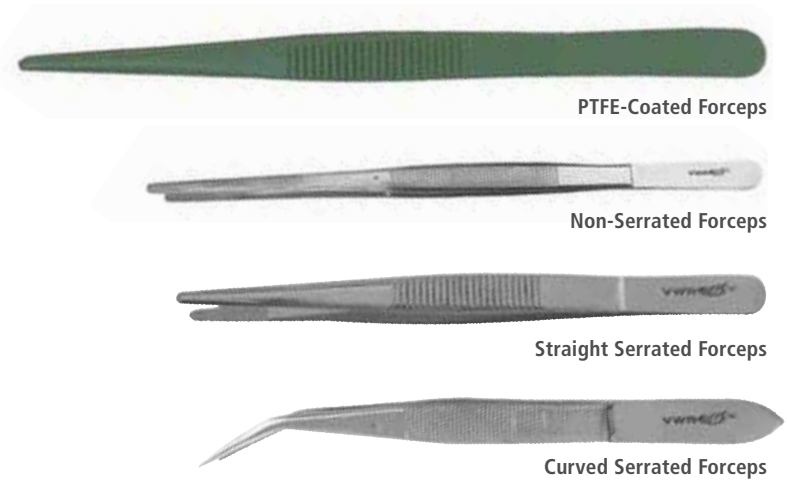
- Highly absorbent, USP-grade cotton
- Lintless formulations reduce contamination
- Economical
- Swabs with Two Lintless Cotton Tips and Paper Stem

	Head Type	Head Width, mm (in.)	Head Length, mm (in.)	Handle Width, mm (in.)	Handle Length, mm (in.)	Total Swab Length, mm (in.)	Cat. No.	Case of
Q	Double	4.4 (0.173)	15.0 (0.591)	2.5 (0.098)	78.0 (3.071)	93.0 (3.661)	**89031-290**	2500/ **166.99**
R	Double, Slim	3.2 (0.126)	14.0 (0.551)	1.5 (0.059)	75.5 (2.972)	89.5 (3.524)	**89031-292**	2500/ **126.80**
S	Double, Cone-Shaped	4.7 (0.185)	11.0 (0.433)	2.5 (0.098)	82.0 (3.228)	93.0 (3.661)	**89031-288**	1250/ **84.95**
	Swabs with Cotton Tip and Wood Stem							
T	Small	4.8 (0.189)	15.9 (0.626)	2.5 (0.098)	147.0 (5.787)	162.9 (6.413)	**89031-270**	10,000/ **167.02**
U	Large	5.9 (0.232)	17.5 (0.689)	2.5 (0.098)	147.0 (5.787)	164.5 (6.476)	**89031-272**	5000/ **91.05**

VWR Foam-Over-Cotton Head Swabs

- Combine the benefits of foam and cotton head swabs
- Foam exterior resists abrasion and most solvents
- Cotton core is highly absorbent
- Swabs with 100ppi Open-Cell Polyurethane Exterior Foam Head, Cotton Core, and Wood Handle

	Head Type	Head Width, mm (in.)	Head Length, mm (in.)	Handle Width, mm (in.)	Handle Length, mm (in.)	Total Swab Length, mm (in.)	Cat. No.	Case of
V	Small	6.4 (0.252)	20.6 (0.811)	2.5 (0.098)	152.4 (6.000)	173.0 (6.811)	**89031-278**	1000/ **183.84**
W	Large	9.5 (0.374)	23.8 (0.937)	2.5 (0.098)	154.0 (6.063)	177.8 (7.000)	**89031-280**	1000/ **153.60**



PTFE-Coated Forceps

Non-Serrated Forceps

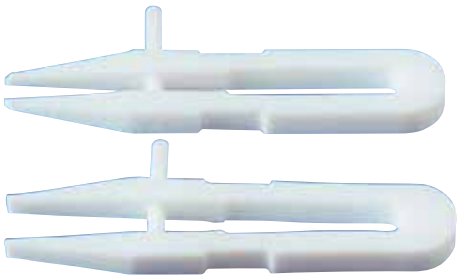
Straight Serrated Forceps

Curved Serrated Forceps

VWR® Specimen Forceps

- Stainless steel

Length, cm (in.)	Cat. No.	Case of 60
Straight PTFE-Coated Forceps		
11.4 (4 1/2)	**82027-454**	**1285.47**
Straight Non-Serrated Forceps		
25.4 (10)	**82027-380**	**1366.31**
30.5 (12)	**82027-382**	**1486.57**
Straight Serrated Forceps		
11.4 (4 1/2)	**82027-440**	**607.24**
15.2 (6)	**82027-438**	**607.24**
17.8 (7)	**82027-450**	**2174.66**
20.3 (8)	**82027-436**	**971.99**
25.4 (10)	**82027-434**	**1366.31**
30.5 (12)	**82027-432**	**1486.57**
Curved Serrated Forceps		
20.3 (8)	**82027-442**	**1354.48**



VWR® PTFE Tweezers

- For use in temperatures 0 to 280°C (32 to 540°F)
- Chemically inert

Length, mm (in.)	Cat. No.	Each
Sharp Tip Tweezers		
100 (3 15/16)	**89026-418**	**46.03**
150 (5 15/16)	**89026-420**	**54.78**
200 (7 5/8)	**89026-422**	**63.80**
Square Tip Tweezers		
100 (3 15/16)	**89026-424**	**46.03**
150 (5 15/16)	**89026-426**	**54.78**
200 (7 5/8)	**89026-428**	**63.80**

VWR CAN HELP YOU SELECT THE RIGHT PRODUCT FOR YOUR APPLICATION

The VWR Technical Product Support team consists of experienced scientists with backgrounds in your area of research. They can provide technical product specifications and help you compare different products, so you can choose the right product every time. For assistance email us at **TechnicalProductSupportNA@vwr.com** or call us at **1.888.897.5463**.



Scienceware®
TOOLS FOR SCIENCE FROM BEL-ART PRODUCTS
Bel-Art Products



Tefzel® Forceps, SCIENCEWARE®

- Feature 1.6mm (1/16") wide square tips
- Withstands autoclaving up to 199°C (390°F)

Length, cm (in.)	Cat. No.	Case of 12
11.4 (4 1/2)	16126-656	428.25



Polypropylene Forceps, SCIENCEWARE®

- Strong, durable forceps with serrated tips and ribbed grip
- Withstands autoclaving up to 199°C (390°F)

Length, cm (in.)	Cat. No.	Case of 72
12.7 (5)	70690-142	732.28



Teflon®-Coated Steel Forceps, SCIENCEWARE®

- Chemical and corrosion resistant
- Needle-point tips are serrated
- Coated with Fluo-Kem® Teflon FEP
- Complies with FDA regulations for food contact
- Chemically resistant
- Length: 9.8cm (3 7/8")

Coated Length, cm (in.)	Cat. No.	Pack of 2
Straight Forceps		
1.9 (3/4), tips only	13197-438	48.88
3.8 (1 1/2), tips only	16126-442	37.57
9.8 (3 7/8)	13197-440	39.66
Curved Forceps		
9.8 (3 7/8)	13197-442	43.35



FOCUS Information

Ideal for handling higher temperature items or small balance weights, these forceps feature square tips with 1.6mm flat surfaces.



Sterileware® Mini Tongs, SCIENCEWARE®

- Ideal for sampling small quantities of material
- One-piece tongs are molded of polystyrene and have ridged jaws to securely hold samples
- Sterile; individually packaged and sealed in polyethylene bags

Length, cm (in.)	Cat. No.	Case of 25
10.8 (4 1/4)	47733-014	37.91















VWR® Laboratory Bottles, Low-Density Polyethylene

- Ideal for shipping liquids and for trace metal analysis
- Impact-resistant and leakproof
- Can be stored down to -100°C (-148°F)
- Polypropylene caps included

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Narrow-Mouth Bottles			
8 (1/4)	20-410	**414004-169**	72/ **50.84**
15 (1/2)	20-410	**414004-170**	72/ **56.56**
30 (1)	20-410	**414004-171**	72/ **75.01**
60 (2)	20-410	**414004-172**	72/ **77.95**
125 (4)	24-410	**414004-173**	72/ **98.93**
500 (16)	28-410	**414004-174**	48/ **136.69**
1000 (33)	38-430	**414004-175**	24/ **119.46**
Wide-Mouth Bottles			
30 (1)	28 mm	**414004-104**	72/ **113.41**
60 (2)	28 mm	**414004-105**	72/ **115.71**
125 (4)	38 mm	**414004-106**	72/ **138.45**
250 (8)	43 mm	**414004-107**	72/ **209.22**
500 (16)	53 mm	**414004-108**	48/ **188.11**
1000 (33)	63 mm	**414004-109**	24/ **170.96**



VWR® Large Bottles, Low-Density Polyethylene

- Ideal for collecting, storing, or shipping a variety of materials
- Feature a built-in loop on the shoulder for identification tag attachment
- Can be stored down to -100°C (-148°F)
- Polypropylene caps included

Capacity, L (gal.)	Cap Size, mm	Cat. No.	Case of 6
2 (1/2)	38	**414004-204**	**92.44**
4 (1)	38	**414004-184**	**116.65**
8 (2)	53	**414004-185**	**198.26**



VWR® Laboratory Bottles, High-Density Polyethylene

- Excellent chemical resistance to alcohols, alkalis, and acids
- Sealing ring and semi-buttressed threads in closure ensure leak prevention
- Can be stored down to -100°C (-148°F)
- Polypropylene caps included

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Translucent Narrow-Mouth Bottles			
4 (1/8)	13-415	**414004-151**	72/ **49.81**
8 (1/4)	20-410	**414004-152**	72/ **50.34**
15 (1/2)	20-410	**414004-153**	72/ **56.30**
30 (1)	20-410	**414004-154**	72/ **74.73**
60 (2)	20-410	**414004-155**	72/ **77.25**
125 (4)	24-410	**414004-156**	72/ **98.46**
250 (8)	24-410	**414004-157**	72/ **140.95**
500 (16)	28-410	**414004-158**	48/ **133.01**
1000 (32)	38-430	**414004-159**	24/ **119.67**
Amber Narrow-Mouth Bottles			
4 (1/8)	13-415	**414004-160**	72/ **83.10**
8 (1/4)	20-410	**414004-161**	72/ **87.02**
15 (1/2)	20-410	**414004-162**	72/ **91.48**
30 (1)	20-410	**414004-163**	72/ **124.24**
60 (2)	20-410	**414004-164**	72/ **127.62**
125 (4)	24-410	**414004-165**	72/ **153.87**
250 (8)	24-410	**414004-166**	72/ **208.82**
500 (16)	28-410	**414004-167**	48/ **205.16**
1000 (32)	38-430	**414004-168**	24/ **171.87**
Translucent Wide-Mouth Bottles			
30 (1)	28 mm	**414004-110**	72/ **114.90**
60 (2)	28 mm	**414004-111**	72/ **117.13**
125 (4)	38 mm	**414004-112**	72/ **140.04**
250 (8)	43 mm	**414004-113**	72/ **211.31**
500 (16)	53 mm	**414004-114**	48/ **189.23**
1000 (32)	63 mm	**414004-115**	24/ **171.69**
Amber Wide-Mouth Bottles			
30 (1)	28 mm	**414004-116**	72/ **162.67**
60 (2)	28 mm	**414004-117**	72/ **165.24**
125 (4)	38 mm	**414004-118**	72/ **191.36**
250 (8)	43 mm	**414004-119**	72/ **284.47**
500 (16)	53 mm	**414004-120**	48/ **247.84**
1000 (32)	63 mm	**414004-121**	24/ **220.23**



VWR® Large Bottles, High-Density Polyethylene

- Wide mouth bottles are ideal for dry chemicals, specimen collecting, and water sampling
- **414004-186** features an integrated handle for better grip, greater safety, and pouring convenience
- Can be stored down to -100°C (-148°F)
- Polypropylene caps included

Capacity, L (gal.)	Cap Size	Cat. No.	Case of 6
2 (1/2)	100-145	**414004-205**	**88.57**
4 (1)	100-415	**414004-186**	**114.77**

Qorpak





Natural Round Bottles, High-Density Polyethylene, Qorpak®

FOCUS Information

Ideal for general use with solids and powders, these wide-mouth bottles provide an excellent moisture barrier and are impact resistant.

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Bottles with Attached Black Phenolic Caps and Pulp/Vinyl Liners			
30 (1)	28-400	**16151-834**	48/ **121.15**
60 (2)	33-400	**16151-804**	48/ **122.34**
120 (4)	38-400	**16151-844**	48/ **134.50**
120 (4)	38-400	**16081-036**	500/ **796.22**
250 (8 1/2)	53-400	**16151-848**	48/ **177.21**
250 (8 1/2)	53-400	**16081-042**	364/ **649.44**
500 (16)	53-400	**16151-852**	24/ **166.67**
500 (16)	53-400	**16081-038**	180/ **412.35**
950 (32)	53-400	**16151-856**	12/ **78.21**
2000 (68)	89-400	**16151-858**	6/ **89.55**
2000 (68)	89-400	**11311-104**	50/ **436.04**
3000 (100)	89-400	**16151-860**	4/ **67.61**
3840 (128)*	89-400	**16151-818**	4/ **53.64**
Bottles with Attached Black Phenolic Caps and Solid Polyethylene Liners			
950 (32)	63-400	**16085-238**	72/ **216.70**
Bottles with Attached White Polypropylene Caps and SturdeeSeal® Polyethylene Foam Liners			
30 (1)	28-400	**16081-060**	1650/ **1498.49**
60 (2)	33-400	**16081-058**	950/ **924.91**
120 (4)	38-400	**16081-032**	500/ **610.20**
250 (8 1/2)	53-400	**16081-044**	364/ **658.86**
500 (16)	53-400	**16081-041**	180/ **408.48**
950 (32)	53-400	**16081-035**	72/ **231.49**
950 (32)	63-400	**16087-310**	72/ **168.44**
2000 (68)	89-400	**89085-344**	50/ **308.65**
3840 (128)*	89-400	**11311-620**	60/ **304.28**
Bottles without Attached Caps			
30 (1)	28-400	**16218-160**	1650/ **1185.87**
60 (2)	33-400	**15000-402**	48/ **47.15**
60 (2)	33-400	**16218-138**	950/ **950.61**
120 (4)	38-400	**15000-404**	48/ **56.72**
120 (4)	38-400	**16125-980**	500/ **629.24**
250 (8 1/2)	53-400	**15000-400**	48/ **80.81**
250 (8 1/2)	53-400	**16218-161**	364/ **782.28**
400 (13 1/2)	53-400	**89047-003**	150/ **172.43**
950 (32)	53-400	**16087-150**	72/ **305.91**
950 (32)	63-400	**11311-234**	72/ **136.99**
1920 (64)	100-400	**16196-350**	50/ **190.91**
2000 (68)	89-400	**16218-167**	50/ **519.21**
3000 (100)	89-400	**16087-152**	33/ **362.68**
3840 (128)*	89-400	**16218-146**	4/ **29.57**

* Features a collared neck



VWR® Rectangular Bottles, High-Density Polyethylene

- Ideal for sampling, storage, or shipment of dry chemicals or liquids
- Space-saving bottles have sturdy construction to prevent bulging and a wide mouth for easy filling
- Feature excellent chemical resistance to most acids, bases, and alcohols
- **414004-195** features an integrated handle for better grip and pouring convenience
- Can be stored down to -100°C (-148°F)
- Polypropylene caps included

Capacity, mL (oz.)	Dimensions, H x W x D, cm (in.)	Cap Size	Cat. No.	Case of
Translucent Rectangular Bottles				
125 (4)	10.2 x 6.4 x 3.8 (4 x 2 1/2 x 1 1/2)	28-415	**414004-191**	72/ **112.74**
250 (8)	11.4 x 7.6 x 4.8 (4 1/2 x 3 x 2)	38-415	**414004-192**	72/ **164.30**
500 (16)	14 x 9.4 x 5.8 (5 1/2 x 3 3/4 x 2 1/4)	48-415	**414004-193**	48/ **170.07**
1000 (32)	18 x 12.5 x 7.1 (7 x 5 x 2 3/4)	53-415	**414004-194**	24/ **196.50**
2000 (64)	23.9 x 15.2 x 8.1 (9 1/2 x 6 x 3 1/4)	63-415	**414004-195**	12/ **163.14**
Amber Rectangular Bottles				
125 (4)	10.2 x 6.4 x 3.8 (4 x 2 1/2 x 1 1/2)	28-415	**414004-196**	72/ **177.15**
250 (8)	11.4 x 7.6 x 4.8 (4 1/2 x 3 x 2)	38-415	**414004-197**	72/ **237.10**
500 (16)	14 x 9.4 x 5.8 (5 1/2 x 3 3/4 x 2 1/4)	48-415	**414004-198**	48/ **225.83**
1000 (32)	18 x 12.5 x 7.1 (7 x 5 x 2 3/4)	53-415	**414004-199**	24/ **258.22**
2000 (64)	23.9 x 15.2 x 8.1 (9 1/2 x 6 x 3 1/4)	63-415	**414004-200**	12/ **199.14**



VWR® Large Square Bottle, High-Density Polyethylene

- Space-saving bottle is ideal for storing and transporting dry chemicals or collecting environmental samples
- Features a wide mouth for easy filling and an integrated handle for better grip and pouring convenience
- Can be stored down to -100°C (-148°F)
- Dimensions: 27.9H x 14W x 14Dcm (11 x 5 1/2 x 5 1/2")
- Polypropylene cap included

Capacity, L (gal.)	Cap Size	Cat. No.	Case of 6
4 (1)	100-415	**414004-190**	**131.14**



Nalgene® Laboratory Bottles, High-Density Polyethylene, Thermo Scientific

- Durable bottles are ideal for countless applications in the lab or field
- Polypropylene caps included
- For amber bottles, visit **vwr.com**

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Translucent Narrow-Mouth Bottles			
4 (1/8)	13-415	**16056-966**	72/ **57.19**
8 (1/4)	20-415	**16056-988**	72/ **58.59**
15 (1/2)	20-415	**16057-007**	72/ **64.69**
30 (1)	20-415	**16057-029**	72/ **86.20**
60 (2)	20-415	**16057-040**	72/ **88.48**
125 (4)	24-415	**16057-062**	72/ **113.92**
175 (6)	24-415	**16057-084**	72/ **152.57**
250 (8)	24-415	**16057-109**	72/ **161.75**
500 (16)	28-415	**16057-120**	48/ **153.29**
500 (16)	38-430	**16057-110**	48/ **223.11**
1000 (32)	38-430	**16057-142**	24/ **138.21**
Translucent Wide-Mouth Bottles			
30 (1)	28-415	**16125-005**	72/ **131.67**
60 (2)	28-415	**16125-027**	72/ **133.77**
125 (4)	38-415	**16125-049**	72/ **160.51**
250 (8)	43-415	**16125-060**	72/ **242.33**
500 (16)	53-415	**16125-082**	48/ **216.73**
1000 (32)	63-415	**16125-107**	24/ **197.67**

Nalgene® Large Sample Bottles, High-Density Polyethylene, Thermo Scientific

- Wide mouth bottles are used for specimen collection and water samples
- Polypropylene caps included

Capacity, L (gal.)	Cap Size	Cat. No.	Case of
1.5 (3/8)	63-415	**73520-408**	24/ **212.10**
2 (1/5)	100-415	**16125-118**	6/ **94.62**
4 (1)	100-415	**16125-129**	6/ **134.27**



Nalgene® Square Bottles, High-Density Polyethylene, Thermo Scientific

- Narrow mouth bottles are for long-term storage of chemicals and specimens where sterility is not required
- Can withstand temperatures from -100 to 120°C (-148 to 248°F)
- Polypropylene caps included

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
30 (1)	20-415	**16120-701**	72/ **98.17**
60 (2)	24-415	**16120-708**	72/ **100.23**
125 (4)	38-430	**16120-715**	72/ **117.43**
250 (8)	38-430	**16120-719**	72/ **178.01**
500 (16)	38-430	**16120-724**	48/ **163.58**
1000 (32)	38-430	**16120-728**	24/ **150.64**

ANATOMY OF A THERMO SCIENTIFIC NALGENE BOTTLE



FOCUS Information

It's easy to choose high-quality lab bottles and stay within budget. Nalgene Economy Bottles are lightweight versions of the original Nalgene Lab Quality Bottles. These bottles are suitable for light-duty, general-purpose laboratory applications such as containing samples and daily working solutions like buffers and bench reagents. Like most Nalgene bottles, the Economy Bottles are guaranteed leakproof and are made in our ISO-certified USA manufacturing facility.

Thermo SCIENTIFIC | NALGENE®

The Nalgene bottle & closure system – the only guaranteed leakproof system available.



Nalgene® Economy Bottles, Thermo Scientific

- Available in chemical-resistant high-density polyethylene (HDPE) or autoclavable polypropylene
- Ideal for light-duty use
- Guaranteed leakproof
- Made in the USA

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Narrow-Mouth HDPE Bottles			
30 (1)	20-415	**16172-120**	72/ **47.04**
60 (2)	20-415	**16172-122**	72/ **49.88**
125 (4)	24-415	**16172-124**	72/ **65.00**
250 (8)	24-415	**16172-126**	72/ **92.78**
500 (16)	28-415	**16172-128**	48/ **91.79**
1000 (32)	38-430	**16172-130**	24/ **71.89**
Wide-Mouth HDPE Bottles			
30 (1)	28-415	**16172-160**	72/ **66.03**
60 (2)	28-415	**16172-162**	72/ **75.72**
125 (4)	38-415	**16172-164**	72/ **86.73**
250 (8)	43-415	**16172-166**	72/ **121.13**
500 (16)	53-415	**16172-168**	48/ **119.12**
1000 (32)	63-415	**16172-170**	24/ **122.16**

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Narrow-Mouth Polypropylene Bottles			
30 (1)	20-415	**89096-750**	72/ **69.24**
60 (2)	20-415	**89096-752**	72/ **70.54**
125 (4)	24-415	**89096-754**	72/ **99.98**
250 (8)	24-415	**89096-756**	72/ **145.72**
500 (16)	28-415	**89096-758**	48/ **153.75**
1000 (32)	38-430	**89096-760**	24/ **125.64**
Wide-Mouth Polypropylene Bottles			
30 (1)	20-415	**89096-762**	72/ **96.07**
60 (2)	20-415	**89096-764**	72/ **98.27**
125 (4)	24-415	**89096-766**	72/ **122.59**
250 (8)	24-415	**89096-768**	72/ **191.93**
500 (16)	28-415	**89096-770**	48/ **181.91**
1000 (32)	38-430	**89096-772**	24/ **144.71**

VWR®
FOUNDATION
Assisting Science, Supporting Health & Education







Join Us in Building a Stronger FOUNDATION for Science

For every VWR Collection product you buy, a percentage* of sales will be donated to the VWR Foundation, which awards grants to research, science education, and health and well-being programs.

The VWR Collection is an exclusive line of products that delivers the quality and value you've come to trust from VWR. Now, every product in this line has the potential to make a difference in someone's life.

To read about the recipients of VWR Foundation grants, and to find out more about the Foundation's mission, visit www.vwrfoundation.org

*VWR International, LLC will contribute .15% of all VWR Collection sales in the U.S., up to $350,000 annually, to the VWR Foundation. VWR International Co., VWR International, LLC's Canadian subsidiary, will donate .15% of all VWR Collection sales in Canada, up to $35,000 annually, to the Hospital for Sick Children Foundation (SickKids). VWR International, LLC, VWR International Co., and/or the VWR Foundation reserve the right to end this program without notice.





VWR® Laboratory Bottles, Polypropylene

- Ideal for applications where sterilization is necessary
- Provide better clarity than polyethylene bottles
- Can be stored down to –40°C (–40°F) and autoclaved with or without caps
- Polypropylene cap included

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Narrow-Mouth Bottles			
8 (1/4)	20-410	**414004-176**	72/ **69.45**
15 (1/2)	20-410	**414004-177**	72/ **73.62**
30 (1)	20-410	**414004-178**	72/ **96.09**
60 (2)	20-410	**414004-179**	72/ **98.06**
125 (4)	24-410	**414004-180**	72/ **133.57**
250 (8)	24-410	**414004-181**	72/ **195.42**
500 (16)	28-410	**414004-182**	48/ **192.44**
1000 (32)	38-430	**414004-183**	24/ **157.53**
Wide-Mouth Bottles			
30 (1)	28 mm	**414004-122**	72/ **124.51**
60 (2)	28 mm	**414004-123**	72/ **125.64**
125 (4)	38 mm	**414004-124**	72/ **163.49**
250 (8)	43 mm	**414004-125**	72/ **253.23**
500 (16)	53 mm	**414004-126**	48/ **241.82**
1000 (32)	63 mm	**414004-127**	24/ **193.74**
2000 (64)	100-415	**414004-187**	6/ **95.62**
4000 (128)	100-415	**414004-188**	6/ **126.79**



VWR® Large Square Bottle, Polypropylene

- Wide-mouth bottle is ideal for storing and sterilizing contaminated slides or other small lab items
- Features integrated handle for better grip and pouring convenience
- Autoclavable, but not leakproof
- Polypropylene cap included

Capacity, L (gal.)	Cap Size	Cat. No.	Case of
4 (1)	100-415	**414004-189**	6/ **147.32**



Nalgene® Laboratory Bottles, Polypropylene, Thermo Scientific

- Ideal for lab applications
- The 4000 and 8000mL sizes feature a built-in shoulder loop for attaching an identification tag
- Autoclavable and leakproof
- Polypropylene cap included

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Narrow-Mouth Bottles			
4 (1/8)	13-415	**16066-960**	72/ **71.79**
8 (1/4)	20-415	**16066-981**	72/ **79.92**
15 (1/2)	20-415	**16067-000**	72/ **84.51**
30 (1)	20-415	**16067-022**	72/ **110.54**
60 (2)	20-415	**16067-044**	72/ **112.87**
125 (4)	24-415	**16067-066**	72/ **154.09**
250 (8)	24-415	**16067-088**	72/ **224.12**
500 (16)	28-415	**16067-102**	48/ **221.17**
1000 (32)	38-430	**16067-124**	24/ **181.71**
2000 (64)	38-430	**16067-146**	6/ **127.37**
4000 (135)	38-430	**16067-168**	6/ **180.00**
8000 (270)	53B	**16067-180**	6/ **299.88**
Wide-Mouth Bottles			
30 (1)	28-415	**16128-954**	72/ **143.35**
60 (2)	28-415	**16128-977**	72/ **143.58**
125 (4)	38-415	**16129-006**	72/ **187.49**
250 (8)	43-415	**16129-028**	72/ **290.19**
500 (16)	53-415	**16129-040**	48/ **276.34**
1000 (32)	63-415	**16129-061**	24/ **223.19**



Nalgene® Square Bottles, Polypropylene, Thermo Scientific

- Replace glass serum and storage bottles with these polypropylene bottles
- Wide mouth offers easy cleaning, filling, and sample retrieval

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
60 (2)	28-415	**16120-950**	72/ **138.21**
175 (6)	38-415	**16120-953**	72/ **213.04**
250 (8)	43-415	**16120-956**	72/ **301.63**
500 (16)	53-415	**16120-959**	48/ **283.66**
1000 (32)	63-415	**16120-962**	24/ **207.94**



Square Storage Bottles, Polycarbonate, Corning®

- Narrow-mouth bottles are ideal for mixing, sampling, and storing samples and chemicals
- Feature screened white enamel graduations and a large white marking spot
- Can be autoclaved once at 121°C (250°F) and 15 psi
- Can be stored down to –80°C (–112°F)
- Sterilized by gamma irradiation
- Polypropylene cap included
- Cap size: 45mm

Capacity, mL (oz.)	Cat. No.	Case of 24
150 (5)	**89089-722**	**107.10**
250 (8)	**89089-762**	**144.84**
500 (16)	**89089-816**	**181.72**
1000 (32)	**89089-756**	**242.93**



Nalgene® Round Laboratory Bottles, Polycarbonate, Thermo Scientific

- Polycarbonate narrow-mouth bottles offer excellent impact resistance and clarity
- The 4 and 8L sizes feature a built-in shoulder loop for attaching an identification tag
- Autoclavable and leakproof
- Polypropylene cap included

Capacity, L (oz.)	Cap Size	Cat. No.	Price
0.5 (16)	38-430	**16058-250**	Cs. 24/ **193.77**
1 (32)	38-430	**16058-252**	Cs. 24/ **270.58**
2 (64)	38-430	**16058-258**	Ea./ **28.83**
2.5 (85)	38-430	**16058-305**	Ea./ **31.96**
4 (128)	38-430	**16058-350**	Ea./ **58.56**
8 (271)	53B	**16058-382**	Ea./ **92.80**



VWR® Laboratory/Media Bottles, Polycarbonate

- Graduated bottles are specially developed for their ability to withstand all modes of sterilization: autoclaving, gamma radiation, UV, and EIO sterilization
- Unbreakable, shatterproof, leakproof, and chemically inert
- Packaged in shrink-wrapped trays with polypropylene caps attached
- For bottles with tamper-evident caps, contact your VWR Sales Representative

Capacity, mL (oz.)	Graduation Interval, mL	Graduation Range, mL	Cap Size	Cat. No.	Case of
Round Narrow-Mouth Bottles					
300 (10)	50	50–300	38-430	**89047-226**	96/ **636.24**
500 (16)	50	50–500	38-430	**30180-030**	72/ **542.91**
1000 (32)	50	50–1000	38-430	**30180-028**	48/ **447.85**
Round Wide-Mouth Bottles					
180 (6)	—	—	54 mm	**89107-028**	144/ **643.27**
500 (16)	50	50–500	63 mm	**83014-014**	72/ **578.76**
1000 (32)	50	50–1000	63 mm	**83014-012**	48/ **452.48**
Square Bottles					
125 (4)	25	25–125	38-430	**30180-026**	144/ **768.19**
250 (8)	25	25–250	38-430	**30180-032**	96/ **745.98**
500 (16)	50	50–500	38-430	**30180-024**	72/ **685.35**
1000 (32)	50	50–1000	38-430	**30180-022**	48/ **610.68**
2000 (64)	50	50–2000	38-430	**89107-026**	24/ **786.23**







VWR® Ergonomic Round Media Bottles

- Designed to help researchers store sterile solutions
- Feature molded finger grips and a narrow shoulder for better gripping with gloved hands
- Unique polypropylene caps offer a flat writing surface and allow for bottles to be stacked
- Additional head space allows for 15% dilution without changing bottles

Capacity, mL (oz.)	Sterile	Cat. No.	Case of 24
PETG Bottles			
250 (8)	Yes	**89166-098**	**184.53**
250 (8)	No	**89166-110**	**174.46**
500 (16)	Yes	**89166-100**	**260.04**
500 (16)	No	**89166-112**	**244.94**
1000 (32)	Yes	**89166-102**	**331.34**
1000 (32)	No	**89166-114**	**316.23**
Polycarbonate Bottles			
250 (8)	Yes	**89166-104**	**255.82**
250 (8)	No	**89166-122**	**245.75**
500 (16)	Yes	**89166-106**	**308.28**
500 (16)	No	**89166-124**	**293.17**
1000 (32)	Yes	**89166-108**	**469.74**
1000 (32)	No	**89166-126**	**454.64**
Polystyrene Bottles			
250 (8)	Yes	**89166-092**	**159.36**
250 (8)	No	**89166-116**	**149.29**
500 (16)	Yes	**89166-094**	**203.41**
500 (16)	No	**89166-118**	**188.30**
1000 (32)	Yes	**89166-096**	**247.46**
1000 (32)	No	**89166-120**	**232.35**



FOCUS Information

Nalgene square media bottles are made of durable PETG, which is break-resistant and will not shatter like glass media bottles. PETG also offers reduced CO_2 and O_2 permeability to provide dependable, longer term storage of pH sensitive solutions.

Thermo SCIENTIFIC | NALGENE®

Nalgene® Square Media Bottles, PETG, Thermo Scientific

- Use to store buffers, media, or general laboratory solutions
- Leakproof, non-pyrogenic, non-cytotoxic, and validated to comply with USP Class VI guidelines
- Single-use bottles are sterile to 10^{-6} SAL
- Heat-shrink band around closure and neck provides tamper-evident seal
- Packaged in shrink-wrapped trays

Capacity, mL (oz.)	Graduation Interval, mL	Graduation Range, mL	Cap Size	Cat. No.	Case of
30 (1)	10	10–30	20-415	**16159-126**	96/ **201.00**
60 (2)	10	10–60	24-415	**16159-128**	96/ **260.58**
125 (4)	25	25–125	38-430	**16159-130**	48/ **183.83**
250 (8)	25	25–250	38-430	**16159-132**	48/ **227.26**
500 (16)	50	50–500	38-430	**16159-134**	24/ **163.62**
1000 (32)	50	50–1000	38-430	**16159-136**	24/ **217.16**
2000 (64)	100	200–2000	53B	**16159-138**	12/ **186.86**

VWR®



VWR® Square Media Bottles, PETG

- Optically clear, PETG bottles are ideal for storing media, reagents, buffers, or other solutions that need to remain sterile
- Manufactured with certified animal-free components
- Leakproof, non-pyrogenic, non-cytotoxic, and validated to comply with USP Class VI guidelines
- Single-use bottles are gamma irradiated to 10^{-6} SAL
- Polyethylene caps included
- Packaged in double shrink-wrapped trays for sterile filling operation

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Bottles with Standard Caps			
30 (1)	24-415	**89132-066**	288/ **447.33**
60 (2)	24-415	**89132-064**	192/ **387.66**
125 (4)	38-430	**89132-062**	144/ **418.29**
250 (8)	38-430	**89132-060**	96/ **344.17**
500 (16)	38-430	**89132-058**	72/ **371.64**
1000 (32)	38-430	**89132-056**	48/ **323.41**
2000 (64)	53B	**89132-054**	24/ **282.30**
Bottles with Tamper-Evident Seal			
30 (1)	24-415	**89095-302**	288/ **447.33**
60 (2)	24-415	**89095-300**	192/ **387.66**
125 (4)	38-430	**89095-298**	144/ **418.29**
250 (8)	38-430	**89095-296**	96/ **344.17**
500 (16)	38-430	**89095-294**	72/ **371.64**
1000 (32)	38-430	**89095-292**	48/ **323.41**
2000 (64)	53B	**89095-290**	24/ **282.30**

CORNING

Thermo SCIENTIFIC | NALGENE®





Lightweight, Break-Resistant, and Transparent as Glass



Corning® Octagonal Bottles, PETG

- Ideal for media, biologicals and aqueous solutions
- Ergonomic and easy to handle
- Molded graduations for estimating solution volumes
- Sterilized to 10^{-6} SAL and certified nonpyrogenic
- Packaged in two convenient, shrink-wrapped trays within an outer bag to assure cleanliness
- USP Class VI compliant bottles are validated noncytoxic and nonhemolytic
- Tamper-evident, leakproof HDPE screw cap

Capacity, mL (oz.)	Cat. No.	Case of
125 (4)	**89204-714**	48/ **73.73**
250 (8)	**89204-716**	48/ **120.96**
500 (16)	**89204-718**	24/ **70.85**
1000 (32)	**89204-720**	24/ **127.68**



DID YOU KNOW...

that VWR offers a wide selection of products for all of your tissue culture needs? See **The Essentials of Tissue Culture** to see the newest products.



FOCUS Information

Nalgene polypropylene (PP) autoclavable carboys are available with and without a spigot. These popular round carboys feature handles for easy transport, and are excellent for large batches of culture media, distilled water, and other solutions. Graduated in 1 gal. and 5L increments. Accepts No. 13½ rubber stopper.

Nalgene® Autoclavable Carboys, Thermo Scientific

- Guaranteed leakproof
- Heavy-duty construction
- Made with biologically compatible materials
- Made in the USA

Capacity, L (gal.)	Cat. No.	Price
Carboys without Spigots		
10 (2 2/3)	**16101-084**	Cs. 6/ **496.58**
20 (5 1/4)	**16101-109**	Cs. 4/ **471.91**
50 (13 1/4)	**16101-142**	Ea./ **253.04**
Carboys with Spigots		
10 (2 2/3)	**16101-404**	Cs. 6/ **845.14**
20 (5 1/4)	**16101-448**	Cs. 4/ **705.99**
50 (13 1/4)	**16101-481**	Ea./ **312.59**

FOCUS Information

Nalgene polycarbonate (PC) carboys are tough, window-clear, and autoclavable. PC carboys are ideal for dispensing sterile water, aqueous reagents, and media. They can be used in cold rooms, even at subfreezing temperatures. Glass-clear resin allows for content inspection.



Clearboy™ Polycarbonate Carboys

Capacity, L (gal.)	Cat. No.	Case of 4
Carboys without Spigots		
10 (2 2/3)	**16101-164**	**505.76**
20 (5 1/4)	**16101-186**	**722.80**
Carboys with Spigots		
10 (2 2/3)	**16101-608**	**741.09**
20 (5 1/4)	**16101-641**	**959.22**







VWR® Carboys

- Innovative shape maximizes bench and shelf space
- Versatile adapters and replaceable gaskets provide excellent adaptability
- The lower spigot at the base facilitates maximum recovery of contents
- Spigot features a tubing adapter that allows 360° rotation

Capacity, L (gal.)	Cap Size, mm	Cat. No.	Each
HDPE Carboys			
5 (1 1/2)	80	**89170-762**	**81.15**
10 (2 1/2)	80	**89170-766**	**101.45**
20 (5 1/2)	80	**89170-770**	**111.60**
20 (5 1/2) *	120	**89170-772**	**172.50**
40 (10 1/2)	120	**89170-778**	**186.76**
HDPE Carboys with Spigot			
5 (1 1/2)	80	**89170-764**	**91.30**
10 (2 1/2)	80	**89170-768**	**131.14**
20 (5 1/2)	80	**89170-774**	**162.35**
20 (5 1/2) *	120	**89170-776**	**182.32**
40 (10 1/2)	120	**89170-780**	**243.60**
Polypropylene Carboys			
5 (1 1/2)	80	**89170-782**	**81.15**
10 (2 1/2)	80	**89170-786**	**96.37**
10 (2 1/2) **	80	**89170-788**	**200.97**
20 (5 1/2)	80	**89170-792**	**116.13**
20 (5 1/2)*	120	**89170-794**	**142.05**
20 (5 1/2) **	120	**89170-796**	**265.61**
40 (10 1/2)	120	**89170-802**	**186.76**
40 (10 1/2) **	120	**89170-804**	**354.40**
Polypropylene Carboys with Spigot			
5 (1 1/2)	80	**89170-784**	**100.43**
10 (2 1/2)	80	**89170-790**	**145.54**
20 (5 1/2)	80	**89170-798**	**182.32**
20 (5 1/2) *	120	**89170-800**	**199.59**
40 (10 1/2)	120	**89170-806**	**243.60**

*Features wide mouth
**Features Sanitary Spout

Versatile Caps and Adapters

Description	Cap Size (mm)	Hose Barb Size, mm (in.)	No. of Quick Disconnects	Cat. No.	Price
Adapters					
Bioprocess Adapter	120	—	—	**89170-868**	Ea./ **19.29**
Closed Adapter	80	—	—	**89170-840**	Ea./ **19.29**
Closed Adapter	120	—	—	**89170-854**	Ea./ **19.29**
With Two Hose Barbs	80	6.4 (1/4)	2	**89170-842**	Ea./ **48.72**
With Two Hose Barbs	80	9.5 (3/8)	2	**89170-844**	Ea./ **48.72**
With Two Hose Barbs	120	6.4 (1/4)	2	**89170-856**	Ea./ **48.72**
With Two Hose Barbs	120	9.5 (3/8)	2	**89170-858**	Ea./ **48.72**
With Three Hose Barbs	80	6.4 (1/4)	3	**89170-846**	Ea./ **57.86**
With Three Hose Barbs	80	9.5 (3/8)	3	**89170-848**	Ea./ **57.86**
With Three Hose Barbs	120	6.4 (1/4)	3	**89170-860**	Ea./ **57.86**
With Three Hose Barbs	120	9.5 (3/8)	3	**89170-862**	Ea./ **57.86**
With Four Hose Barbs	80	6.4 (1/4)	4	**89170-850**	Ea./ **69.02**
With Four Hose Barbs	80	9.5 (3/8)	4	**89170-852**	Ea./ **69.02**
With Four Hose Barbs	120	6.4 (1/4)	4	**89170-864**	Ea./ **69.02**
With Four Hose Barbs	120	9.5 (3/8)	4	**89170-866**	Ea./ **69.02**
Adapter with One Hose Barb and Vent	80	12.7 (1/2)	—	**89170-872**	Ea./ **34.51**
Adapter with Two Hose Barbs and Vent	80	6.4 (1/4)	—	**89170-870**	Ea./ **34.51**
Caps					
Closed Cap	80	—	—	**89170-828**	Pk. 2/ **54.61**
Closed Cap	120	—	—	**89170-836**	Pk. 2/ **95.21**
Open Cap with Closed Adapter	80	—	—	**89170-830**	Pk. 2/ **93.18**
Open Cap with Closed Adapter	120	—	—	**89170-838**	Pk. 2/ **133.78**
Cap with Adapter, Two Hose Barbs, and Vent	80	6.4 (1/4)	—	**89170-832**	Ea./ **61.81**
Cap with Adapter, Two Hose Barbs, and Vent	80	12.7 (1/2)	—	**89170-834**	Ea./ **61.81**
Spigot					
Spigot	—	—	—	**89176-922**	Pk. 2/ **55.83**

Thermo SCIENTIFIC | NALGENE®

Nalgene® Cylindrical Tanks, Thermo Scientific

- Budget priced for light- or heavy-duty use
- Graduated in both liters and gallons
- Heavy-duty tanks have a thicker wall for greater strength and impact resistance
- All tanks come with a lid

Capacity, L (gal.)	Depth, cm (in.)	O.D., cm (in.)	Cat. No.	Each
Lightweight Tanks				
19 (5)	38 (15)	28 (11)	**60453-025**	**103.08**
28.4 (7½)	46 (18)	30 (12)	**60453-029**	**157.72**
37.9 (10)	51 (20)	33 (13)	**60453-035**	**153.27**
56.8 (15)	69 (27)	33 (13)	**60453-047**	**156.61**
113.6 (30)	76 (30)	46 (18)	**60453-069**	**189.92**
208 (55)	91 (36)	56 (22)	**60453-080**	**278.75**
Heavy-Duty Tanks				
19 (5)	38 (15)	28 (11)	**60462-026**	**128.81**
28.4 (7½)	46 (18)	30 (12)	**60464-010**	**179.92**
37.9 (10)	51 (20)	33 (13)	**60463-150**	**172.14**
56.8 (15)	69 (27)	33 (13)	**60462-048**	**191.03**
113.6 (30)	76 (30)	46 (18)	**60462-060**	**251.01**
208 (55)	91 (36)	56 (22)	**60463-152**	**363.19**

FOCUS Information

Nalgene lightweight and heavy-duty cylindrical tanks are ideal for standard laboratory and industrial applications when you need to mix or contain large volumes of buffers, reagents, or bulk compounds. Cylindrical tanks feature rounded corners and an outside rim flange for strength and ease of handling.



Nalgene® Tank Liners, Thermo Scientific

- Free of animal-derived components
- Non-cytoxic; food grade material
- Individually packaged

Capacity, L (gal.)	Cat. No.	Case of 10
19 (5)	**89037-570**	**332.31**
28.4 (7½)	**89037-572**	**339.34**
37.9 (10)	**89037-574**	**358.56**
56.8 (15)	**89037-576**	**391.89**
113.6 (30)	**89037-578**	**459.57**
208 (55)	**89037-580**	**554.51**

FOCUS Information

Nalgene Tank Liners are designed specifically for Nalgene Cylindrical Tanks. Liners feature a flat bottom design to facilitate fluid processing. Gamma-irradiated (25kGy) and ideal for single-use biopharmaceutical and diagnostic reagent mixing.

ENHANCE YOUR VWR.COM EXPERIENCE



VWR Click-to-Chat allows you to get immediate answers to your questions. Just log in to vwr.com to find the "Click-to-Chat" icon on ordering pages, information request pages, and VWR Collection product pages. A live customer service agent will be available to provide immediate answers to any of your questions.

Glass or Plastic – Choosing the Best For Your Application

Selecting the correct material for your package is important to ensure product compatibility. To help you make the best choice, consider the following when making a choice between glass and plastic.

Plastic Facts

- Lightweight and very durable
- Ideal for many high speed filling applications
- Available in a wide variety of resins, shapes, and styles

Common Types of Plastic Resin

- LDPE: Low-density polyethylene is particularly suited for squeeze, spray, or dropper applications. It is resilient and more resistant to stress cracking than HDPE.
- HDPE: High-density polyethylene is the most commonly used material for producing containers and offers excellent water barrier characteristics. It is well-suited for a wide range of products, including toiletries and cosmetics, pharmaceuticals, certain food products, and water-based chemicals.
- PP: Polypropylene provides excellent clarity, impact strength, and stress-crack resistance. It also provides barrier characteristics and chemical resistance that is equal to HDPE.
- PET: Polyethylene terephthalate offers glass-like clarity and is durable and rigid. It is also impact-resistant and provides exceptional gas and moisture barrier qualities.
- PVC: Polyvinyl chloride is commonly used in the toiletry and cosmetic market. It provides excellent resistance to oxygen and oil permeation, as well as good water barrier characteristics.
- PS: Polystyrene is highly rigid and glass-like. Although this clear material will not shatter, it is very brittle and is easily broken. Containers are lightweight and are able to withstand high fill temperatures (180°F).
- PC: Polycarbonate offers outstanding dimensional stability with resistance to ultraviolet light and heat. Containers are rigid, transparent, and impact resistant.

Glass Facts

- Provides zero permeation — chemicals, oils, and gases cannot penetrate glass
- Chemically inert
- Can withstand temperature extremes and is autoclavable
- Rigid — shapes and volumes do not change under vacuum pressure or when container is handled
- Amber glass filters out ultraviolet rays

Types of Glass

- Type I Borosilicate Glass: Widely used for vials, beakers, flasks, and many other laboratory products. Provides exceptional resistance to heat shock and chemical leaching.
- Type III Soda Lime Glass: The most common form of glass, it is chemically inert and recyclable. Primary uses include beverages, food, and lower end chemicals.
- Safety-Coated Glass: Designed as a secondary containment system to allow for proper disposal. Also impact-resistant to reduce breakage and slip-resistant for improved handling stability.











VWR® Boston Round Bottles

- An ideal combination of quality and economy
- Narrow-mouth bottles are made with Type III soda-lime glass
- Bottles are packed in corrugated cases with dividers separating glassware into smaller quantities
- Black phenolic caps are attached

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Clear Glass Bottles with PTFE/LDPE-Lined Caps			
30 (1)	20-400	**89042-738**	48/ **150.38**
60 (2)	20-400	**89042-740**	24/ **89.80**
125 (4)	22-400	**89042-742**	24/ **91.08**
250 (8)	24-400	**89042-744**	12/ **53.21**
500 (16)	28-400	**89042-746**	12/ **74.84**
1000 (32)	33-400	**89042-748**	12/ **104.10**
Clear Glass Bottles with Pulp/Vinyl-Lined Caps			
30 (1)	20-400	**89042-618**	48/ **125.70**
60 (2)	20-400	**89042-620**	24/ **71.32**
125 (4)	22-400	**89042-622**	24/ **80.06**
250 (8)	24-400	**89042-624**	12/ **49.34**
500 (16)	28-400	**89042-626**	12/ **77.97**
1000 (32)	33-400	**89042-628**	12/ **110.53**
Clear Glass Bottles with Taperseal-Lined Caps			
30 (1)	20-400	**89042-714**	48/ **151.25**
60 (2)	20-400	**89042-716**	24/ **76.47**
125 (4)	22-400	**89042-718**	24/ **83.58**
250 (8)	24-400	**89042-720**	12/ **44.33**
500 (16)	28-400	**89042-722**	12/ **63.33**
1000 (32)	33-400	**89042-724**	12/ **91.40**
Amber Glass Bottles with PTFE/LDPE-Lined Caps			
30 (1)	20-400	**89042-906**	48/ **106.61**
60 (2)	20-400	**89042-908**	24/ **88.21**
125 (4)	22-400	**89042-910**	24/ **90.61**
250 (8)	24-400	**89042-912**	12/ **52.92**
500 (16)	28-400	**89042-914**	12/ **84.40**
1000 (32)	33-400	**89042-916**	12/ **104.09**
Amber Glass Bottles with Pulp/Vinyl-Lined Caps			
30 (1)	20-400	**89042-786**	48/ **115.01**
60 (2)	20-400	**89042-788**	24/ **71.14**
125 (4)	22-400	**89042-790**	24/ **90.27**
250 (8)	24-400	**89042-792**	12/ **49.04**
500 (16)	28-400	**89042-794**	12/ **88.41**
1000 (32)	33-400	**89042-796**	12/ **111.14**
Amber Glass Bottles with Taperseal-Lined Caps			
30 (1)	20-400	**89042-882**	48/ **85.84**
60 (2)	20-400	**89042-884**	24/ **67.50**
125 (4)	22-400	**89042-886**	24/ **75.84**
250 (8)	24-400	**89042-888**	12/ **44.10**
500 (16)	28-400	**89042-890**	12/ **72.25**
1000 (32)	33-400	**89042-892**	12/ **103.51**

Different caps and packaging options are available upon request. For more information on customizing your glassware order contact your VWR Sales Representative.

BDH NOW OFFERS MOLECULAR BIOLOGY GRADE CHEMICALS

The quality you've come to expect from BDH is now available for molecular biology applications. Contact your VWR Sales Representative for more information.







Boston Round Bottles, Qorpak®

- Made of flint glass
- Narrow-mouth bottles feature a rounded shoulder
- Supplied with caps attached

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Clear Bottles with Fluoropolymer Resin-Lined Caps			
30 (1)	20-400	**16151-220**	48/ **149.57**
60 (2)	20-400	**16151-242**	24/ **78.95**
120 (4)	22-400	**16151-286**	24/ **90.87**
240 (8)	24-400	**16151-300**	24/ **106.85**
480 (16)	28-400	**16151-322**	12/ **71.42**
960 (32)	33-400	**16151-344**	12/ **100.00**
Clear Bottles with Polyseal™-Lined Caps			
30 (1)	20-400	**16151-650**	48/ **135.33**
60 (2)	20-400	**16151-672**	24/ **68.29**
120 (4)	22-400	**16151-719**	24/ **76.69**
240 (8)	24-400	**16151-730**	24/ **89.15**
480 (16)	28-400	**16151-752**	12/ **63.35**
960 (32)	33-400	**16151-774**	12/ **90.20**
Clear Bottles with Pulp/Vinyl-Lined Caps			
30 (1)	20-400	**16151-027**	48/ **120.18**
60 (2)	20-400	**16151-049**	24/ **67.81**
120 (4)	22-400	**16151-060**	24/ **77.33**
240 (8)	24-400	**16151-082**	24/ **94.64**
480 (16)	28-400	**16151-107**	12/ **72.50**
960 (32)	33-400	**16151-129**	12/ **101.91**
Amber Bottles with Fluoropolymer Resin-Lined Caps			
60 (2)	20-400	**16153-102**	24/ **79.74**
120 (4)	22-400	**16153-135**	24/ **91.34**
240 (8)	24-400	**16153-168**	24/ **106.72**
480 (16)	28-400	**16153-190**	12/ **74.94**
960 (32)	33-400	**16153-226**	12/ **103.70**
Amber Bottles with Polyseal-Lined Caps			
60 (2)	20-400	**16152-405**	24/ **68.06**
120 (4)	22-400	**16152-427**	24/ **76.54**
240 (8)	24-400	**16152-449**	24/ **88.76**
480 (16)	28-400	**16152-460**	12/ **63.75**
960 (32)	33-400	**16152-482**	12/ **94.66**
Amber Bottles with Pulp/Vinyl-Lined Caps			
60 (2)	20-400	**16152-020**	24/ **67.55**
120 (4)	22-400	**16152-041**	24/ **75.81**
240 (8)	24-400	**16152-063**	24/ **94.55**
480 (16)	28-400	**16152-085**	12/ **74.95**
960 (32)	33-400	**16152-100**	12/ **106.93**



Safety-Coated Boston Rounds, Qorpak®

- Narrow-mouth bottles feature a rounded shoulder
- Supplied with caps attached

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Clear Bottles with Fluoropolymer Resin-Lined Caps			
240 (8)	24-400	**16150-821**	24/ **174.64**
480 (16)	28-400	**16150-824**	12/ **119.29**
960 (32)	33-400	**16150-827**	12/ **175.96**
Clear Bottles with Polyseal™-Lined Caps			
240 (8)	24-400	**16150-830**	24/ **166.90**
480 (16)	28-400	**16150-833**	12/ **107.28**
960 (32)	33-400	**16150-836**	12/ **155.20**
Clear Bottles with Pulp/Vinyl-Lined Caps			
120 (4)	22-400	**11311-500**	24/ **117.40**
240 (8)	24-400	**16150-812**	24/ **163.02**
480 (16)	28-400	**16150-815**	12/ **106.56**
960 (32)	33-400	**16150-818**	12/ **158.88**
Amber Bottles with Fluoropolymer Resin-Lined Caps			
120 (4)	22-400	**16152-306**	24/ **265.15**
240 (8)	24-400	**16150-921**	24/ **174.37**
480 (16)	28-400	**16150-924**	12/ **129.24**
960 (32)	33-400	**16150-927**	12/ **176.60**
Amber Bottles with Polyseal-Lined Caps			
120 (4)	22-400	**16152-302**	24/ **260.94**
240 (8)	24-400	**16150-930**	24/ **160.81**
480 (16)	28-400	**16150-933**	12/ **111.28**
960 (32)	33-400	**16150-936**	12/ **152.84**
Amber Bottles with Pulp/Vinyl-Lined Caps			
120 (4)	22-400	**16152-300**	24/ **253.19**
240 (8)	24-400	**16150-912**	24/ **163.24**
480 (16)	28-400	**16150-915**	12/ **114.52**
960 (32)	33-400	**16150-918**	12/ **173.39**

FOCUS Information

The safety coating on these bottles protects the container from being affected by pressure build-up and protects your employees if mishaps do occur. If the glass breaks, the plastisol coating contains the substance in the bottle long enough to allow for proper disposal. These bottles are slip- and impact-resistant, making them the perfect bottle for handling volatile substances.








Wide-Mouth Packers, Qorpak®

- Made of flint glass with slightly rounded sides
- Use for pharmaceutical, chemical, or environmental applications
- Supplied with caps attached

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Clear Bottles with Fluoropolymer Resin-Lined Caps			
240 (8)	58-400	**16196-207**	24/ **135.33**
480 (16)	63-400	**16196-229**	24/ **169.93**
960 (32)	70-400	**16196-240**	12/ **115.43**
1920 (65)	83-400	**16196-262**	6/ **80.99**
3785 (128)	89-400	**16196-284**	4/ **77.77**
Clear Bottles with Pulp/Vinyl-Lined Caps			
240 (8)	58-400	**16193-785**	24/ **90.31**
480 (16)	63-400	**16193-810**	24/ **108.67**
960 (32)	70-400	**16193-843**	12/ **77.03**
1920 (65)	83-400	**16193-876**	6/ **62.47**
3785 (128)	89-400	**16193-901**	4/ **63.09**

*All Clear, Wide-Mouth Packers are in convenience packs. For customized bulk packs, contact your VWR Sales Representative.

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Amber Bottles with Fluoropolymer Resin-Lined Caps			
6 (1/5)	20-400	**89027-040**	720/ **604.21**
15 (1/2)	28-400	**93001-568**	48/ **69.46**
30 (1)	28-400	**16180-207**	24/ **127.99**
60 (2)	33-400	**16180-229**	24/ **115.69**
120 (4)	38-400	**16180-240**	24/ **133.79**
250 (8)	45-400	**16180-262**	24/ **180.19**
250 (8)	45-400	**89140-224**	84/ **170.77**
300 (10)	53-400	**16054-444**	96/ **649.11**
500 (16)	53-400	**16180-284**	12/ **105.87**
500 (16)	53-400	**89027-042**	60/ **160.77**
950 (32)	53-400	**16180-309**	12/ **142.49**
1250 (42)	70-400	**16054-440**	6/ **85.77**
2500 (84)	70-400	**16054-442**	16/ **344.54**
Amber Bottles with Polyseal-Lined Caps			
30 (1)	28-400	**16180-681**	24/ **55.27**
60 (2)	33-400	**16180-706**	24/ **63.32**
120 (4)	38-400	**16180-728**	24/ **69.56**
Amber Bottles with Pulp/Vinyl-Lined Caps			
6 (1/5)	20-400	**16054-416**	720/ **1157.27**
8 (1/4)	20-400	**16054-418**	912/ **996.45**
15 (1/2)	28-400	**16054-420**	624/ **1058.01**
30 (1)	28-400	**16179-988**	24/ **53.33**
30 (1)	28-400	**16179-999**	432/ **701.32**
60 (2)	33-400	**16180-003**	24/ **76.34**
60 (2)	33-400	**16180-014**	216/ **403.38**
120 (4)	38-400	**16180-025**	24/ **90.81**
120 (4)	38-400	**16180-036**	180/ **422.43**
250 (8)	45-400	**16180-047**	24/ **124.71**
250 (8)	45-400	**16218-230**	84/ **143.48**
500 (16)	53-400	**16180-069**	12/ **76.05**
500 (16)	53-400	**16180-070**	60/ **243.97**
950 (32)	53-400	**16180-080**	12/ **102.03**
950 (32)	53-400	**16180-091**	36/ **194.38**
1250 (42)	70-400	**16054-436**	6/ **64.89**
2500 (84)	70-400	**16054-438**	12/ **286.28**

FOCUS Information

The wide mouth of these bottles makes them ideal for storing solid reagents. Protect light sensitive samples from UV light by choosing the amber glass bottles.







VWR® Wide-Mouth Packers

- Made from Type III soda-lime glass with rounded shoulders
- Black phenolic caps are attached
- Packed in corrugated cases with dividers separating glassware into smaller quantities

Capacity, mL (oz.)	Cap Size	Cap Liner	Cat. No.	Case of
Clear Wide-Mouth Packers				
125 (4)	48-400	PTFE/LDPE	**89043-842**	24/ **106.63**
125 (4)	48-400	Pulp/Vinyl	**89043-810**	24/ **74.99**
250 (8)	58-400	PTFE/LDPE	**89043-844**	24/ **148.57**
250 (8)	58-400	Pulp/Vinyl	**89043-812**	24/ **90.72**
Amber Wide-Mouth Packers				
30 (1)	28-400	PTFE/LDPE	**89043-218**	24/ **98.21**
30 (1)	28-400	Pulp/Vinyl	**89043-110**	24/ **52.81**
30 (1)	28-400	Taperseal	**89043-206**	24/ **61.97**
60 (2)	33-400	PTFE/LDPE	**89043-220**	24/ **104.56**
60 (2)	33-400	Pulp/Vinyl	**89043-112**	24/ **75.23**
60 (2)	33-400	Taperseal	**89043-208**	24/ **72.58**
125 (4)	38-400	PTFE/LDPE	**89043-222**	24/ **124.00**
125 (4)	38-400	Pulp/Vinyl	**89043-114**	24/ **89.12**
125 (4)	38-400	Taperseal	**89043-210**	24/ **78.78**
250 (8)	45-400	PTFE/LDPE	**89043-224**	12/ **94.33**
250 (8)	45-400	Pulp/Vinyl	**89043-116**	12/ **69.31**
500 (16)	53-400	PTFE/LDPE	**89043-226**	12/ **123.01**
500 (16)	53-400	Pulp/Vinyl	**89043-118**	12/ **84.87**
1000 (32)	53-400	PTFE/LDPE	**89043-228**	12/ **141.87**
1000 (32)	53-400	Pulp/Vinyl	**89043-120**	12/ **99.98**





VWR® Glass Jars

- Wide-mouth design allows for easy addition and removal of contents
- Made from Type III soda-lime glass
- Black phenolic caps are attached
- Packed in corrugated cases with dividers separating glassware into smaller quantities

Capacity, mL (oz.)	Cap Size	Dimensions, Dia. x H, mm (in.)	Cat. No.	Case of
Clear Glass Jars with PTFE/LDPE-Lined Caps				
60 (2)	53-400	55 x 48 (2 3/16 x 1 7/8)	**89043-362**	24/ **147.46**
125 (4)	48-400	51 x 102 (2 x 4)	**89043-618**	24/ **134.47**
125 (4)	58-400	60 x 68 (2 3/8 x 2 11/16)	**89043-364**	24/ **159.78**
180 (6)	63-400	66 x 79 (2 1/2 x 3 1/8)	**89043-366**	24/ **106.97**
250 (8)	58-400	62 x 127 (2 1/2 x 5)	**89043-620**	24/ **149.60**
250 (8)	70-400	73 x 88 (2 7/8 x 3 1/2)	**89043-368**	12/ **110.44**
500 (16)	70-400	76 x 145 (3 x 5 3/4)	**89043-622**	12/ **137.30**
500 (16)	89-400	91 x 95 (3 1/2 x 3 3/4)	**89043-370**	12/ **170.17**
1000 (32)	89-400	95 x 170 (3 3/4 x 6 11/16)	**89043-624**	12/ **172.55**
Clear Glass Jars with Pulp/Vinyl-Lined Caps				
60 (2)	53-400	55 x 48 (2 3/16 x 1 7/8)	**89043-266**	24/ **98.17**
125 (4)	48-400	51 x 102 (2 x 4)	**89043-554**	24/ **80.95**
125 (4)	58-400	60 x 68 (2 3/8 x 2 11/16)	**89043-268**	24/ **92.76**
180 (6)	63-400	66 x 79 (2 1/2 x 3 1/8)	**89043-270**	12/ **61.23**
250 (8)	58-400	62 x 127 (2 1/2 x 5)	**89043-556**	24/ **76.37**
250 (8)	70-400	73 x 88 (2 7/8 x 3 1/2)	**89043-272**	12/ **65.42**
500 (16)	70-400	76 x 145 (3 x 5 3/4)	**89043-558**	12/ **50.61**
500 (16)	89-400	91 x 95 (3 1/2 x 3 3/4)	**89043-274**	12/ **87.09**
1000 (32)	89-400	95 x 170 (3 3/4 x 6 11/16)	**89043-560**	12/ **53.86**
Amber Glass Jars with PTFE/LDPE-Lined Caps				
60 (2)	53-400	55 x 48 (2 3/16 x 1 7/8)	**89043-506**	24/ **149.36**
125 (4)	58-400	60 x 68 (2 3/8 x 2 11/16)	**89043-508**	24/ **166.43**
Amber Glass Jars with Pulp/Vinyl-Lined Caps				
60 (2)	53-400	55 x 48 (2 3/16 x 1 7/8)	**89043-410**	24/ **79.43**
125 (4)	58-400	60 x 68 (2 3/8 x 2 11/16)	**89043-412**	24/ **84.85**
180 (6)	63-400	66 x 79 (2 1/2 x 3 1/8)	**89043-414**	12/ **55.78**
250 (8)	70-400	73 x 88 (2 7/8 x 3 1/2)	**89043-416**	12/ **59.99**



Straight-Sided Wide-Mouth Rounds, Qorpak®

- Flint-glass bottles designed without shoulders for maximum storage and visibility
- Supplied with caps attached

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Round Jars with Fluoropolymer Resin-Lined Caps			
30 (1)	43-400	**16195-306**	48/ **233.38**
60 (2)	53-400	**16195-328**	24/ **140.69**
120 (4)	58-400	**16195-340**	24/ **153.74**
250 (8)	70-400	**16195-361**	24/ **211.95**
500 (16)	89-400	**16195-383**	12/ **181.79**
950 (32)	89-400	**16195-408**	12/ **182.59**
Round Jars with Pulp/Vinyl-Lined Caps			
30 (1)	43-400	**16195-022**	48/ **164.93**
60 (2)	53-400	**16195-044**	24/ **85.86**
120 (4)	58-400	**16195-066**	24/ **91.16**
250 (8)	70-400	**16195-088**	24/ **129.91**
500 (16)	89-400	**16195-102**	12/ **86.16**
950 (32)	89-400	**16194-100**	12/ **109.86**



VWR® Narrow-Mouth Glass Jugs

- Made from Type III soda glass
- Integrated handle for safe pouring
- Cap size: 38-400

Cap Liner	Cat. No.	Case of
Clear Glass Jugs, 1893 mL (64 oz.)		
PTFE/LDPE	**89044-432**	6/ **88.78**
Taperseal	**89044-424**	6/ **65.65**
No Cap	**89044-436**	6/ **48.88**
Clear Glass Jugs, 3845 mL (130 oz.)		
PTFE/LDPE	**89044-434**	4/ **85.11**
Taperseal	**89044-426**	4/ **57.41**
No Cap	**89044-438**	4/ **42.47**
Amber Glass Jugs, 2366 mL (80 oz.)		
PTFE/LDPE	**89044-452**	6/ **97.15**
Taperseal	**89044-444**	6/ **73.92**
No Cap	**89044-456**	6/ **59.20**
Amber Glass Jugs, 3845 mL (130 oz.)		
PTFE/LDPE	**89044-454**	4/ **96.13**
Taperseal	**89044-446**	4/ **60.47**
No Cap	**89044-458**	4/ **45.03**



Glass Jugs, Qorpak®

- Flint glass with a finger ring integrally molded to the neck
- Cap size: 38-400

Cap Liner	Cat. No.	Case of
Clear Glass Jugs, 1893 mL (64 oz.)		
Fluoropolymer Resin	**16142-128**	6/ **93.66**
Pulp/Vinyl	**16142-037**	6/ **84.26**
Poly-Seal™	**16142-285**	6/ **92.36**
No Cap	**16218-238**	6/ **46.57**
Clear Glass Jugs, 3785 mL (128 oz.)		
Fluoropolymer Resin	**16142-140**	4/ **85.18**
Pulp/Vinyl	**16142-060**	4/ **78.22**
Poly-Seal	**16142-300**	4/ **81.20**
No Cap	**16218-186**	4/ **40.46**
Amber Glass Jug, 2500 mL (84 oz.)		
No Cap	**16087-018**	6/ **56.65**
Amber Glass Jugs, 3785 mL (128 oz.)		
Fluoropolymer Resin	**16142-467**	4/ **81.80**
Pulp/Vinyl	**16142-401**	4/ **79.96**
No Cap	**16087-024**	4/ **43.09**



DO YOU NEED REPLACEMENT CAPS TO FIT YOUR BOTTLES?

Be sure to look on **vwr.com** to find a wide selection of caps for all of your storage and bottling needs.



VWR® Square Tablet Bottles

- Designed for small-scale sample collection
- Capacity: 30mL (1oz.)
- Dimensions: 34W x 59Hmm (1⅜ x 2⅜")
- Cap size: 33-400

Cap Liner	Cat. No.	Case of 288
PTFE/LDPE	**89044-468**	**531.03**
Pulp/Vinyl	**89044-460**	**432.84**
Taperseal	**89044-464**	**502.04**
No Cap	**89044-472**	**165.84**



VWR® French Square Bottles

- Wide-mouth bottles are made of Type III soda lime
- Black phenolic caps are attached

Capacity, mL (oz.)	Cap Size	Dimensions, W x H, mm (in.)	Cat. No.	Case of
Bottles with PTFE/LDPE-Lined Caps				
15 (1/2)	20-400	26 x 62 (1 x 2 7/16)	**89043-762**	48/ **178.43**
30 (1)	24-400	31 x 72 (1 1/4 x 2 7/8)	**89043-764**	48/ **221.27**
60 (2)	28-400	39 x 87 (1 1/2 x 3 7/16)	**89043-766**	48/ **217.15**
125 (4)	33-400	45 x 111 (1 3/4 x 4 5/8)	**89043-768**	24/ **130.69**
250 (8)	43-400	56 x 137 (2 1/4 x 5 3/8)	**89043-770**	24/ **181.61**
500 (16)	48-400	68 x 167 (2 5/8 x 6 1/2)	**89043-772**	24/ **226.98**
Bottles with Pulp/Vinyl-Lined Caps				
15 (1/2)	20-400	26 x 62 (1 x 2 7/16)	**89043-650**	48/ **141.37**
30 (1)	24-400	31 x 72 (1 1/4 x 2 7/8)	**89043-652**	48/ **159.37**
60 (2)	28-400	39 x 87 (1 1/2 x 3 7/16)	**89043-654**	48/ **161.14**
125 (4)	33-400	45 x 111 (1 3/4 x 4 5/8)	**89043-656**	24/ **102.27**
250 (8)	43-400	56 x 137 (2 1/4 x 5 3/8)	**89043-658**	24/ **127.17**
500 (16)	48-400	68 x 167 (2 5/8 x 6 1/2)	**89043-660**	24/ **166.31**
Bottles with Taperseal-Lined Caps				
15 (1/2)	20-400	26 x 62 (1 x 2 7/16)	**89043-746**	48/ **116.66**
30 (1)	24-400	31 x 72 (1 1/4 x 2 7/8)	**89043-748**	48/ **138.18**
60 (2)	28-400	39 x 87 (1 1/2 x 3 7/16)	**89043-750**	48/ **137.99**
125 (4)	33-400	45 x 111 (1 3/4 x 4 5/8)	**89043-752**	24/ **64.41**



French Square Bottles, Qorpak®

- Wide-mouth bottles offer a space-saving design
- 960mL (30oz.) bottles are graduated
- Supplied with caps attached

Capacity, mL (oz.)	Cap Size	Cat. No.	Case of
Bottles with Fluoropolymer Resin-Lined Caps			
15 (1/2)	20-400	**16189-008**	48/ **160.40**
30 (1)	24-400	**16189-030**	48/ **195.15**
60 (2)	28-400	**16189-063**	48/ **214.62**
120 (4)	33-400	**16189-096**	24/ **130.39**
240 (8)	43-400	**16189-121**	24/ **180.49**
480 (16)	48-400	**16189-154**	24/ **223.88**
960 (32)	58-400	**16189-188**	12/ **211.21**
Bottles with Polyseal™-Lined Caps			
15 (1/2)	20-400	**16188-683**	48/ **116.44**
30 (1)	24-400	**16188-708**	48/ **121.18**
60 (2)	28-400	**16188-720**	48/ **138.15**
120 (4)	33-400	**16188-741**	24/ **64.94**
Bottles with Pulp/Vinyl-Lined Caps			
15 (1/2)	20-400	**16188-027**	48/ **129.08**
30 (1)	24-400	**16188-049**	48/ **140.30**
60 (2)	28-400	**16188-060**	48/ **162.83**
120 (4)	33-400	**16188-082**	24/ **101.77**
240 (8)	43-400	**16188-107**	24/ **129.32**
480 (16)	48-400	**16188-129**	24/ **167.58**
960 (32)	58-400	**16188-141**	12/ **149.71**



Square Tablet Bottles, Qorpak®

- Designed for mixing, storing, and sampling
- Wide-mouth bottles are easy to store and use
- Supplied with caps attached
- Cap size: 33-400

Capacity, mL (oz.)	Cap Liner	Cat. No.	Case of
30 (1)	Pulp/Vinyl	**16188-286**	288/ **462.07**
60 (2)	Polyseal™	**93001-652**	144/ **166.17**
60 (2)	Pulp/Vinyl	**16188-300**	144/ **279.10**

CORNING

FOCUS Information

PYREX® low expansion Type I borosilicate glass comes closest to being the ideal glass for most laboratory applications. The low coefficient of expansion allows the glassware to be manufactured with heavy walls, giving good mechanical strength while retaining good heat resistance.







PYREX® Graduated Media Bottles, Corning

- Heavy-duty bottles are ideal for media and other biological solutions
- Ideal for dry heat sterilization when used with high-temperature PBT cap and ETFE pouring ring (**16157-497**)
- Supplied with one-piece polypropylene plug seal cap with drip-free pouring ring

Capacity	Cap Size	Graduation Interval, mL	Graduation Range, mL	Cat. No.	Case of
25 mL (7/8 oz.)*	GL25	5	10–25	**16157-071**	10/ **86.39**
50 mL (1 3/4 oz.)	GL32	10	20–50	**16157-068**	10/ **85.78**
100 mL (3 1/2 oz.)	GL45	20	40–80	**16157-103**	10/ **88.40**
250 mL (8 1/2 oz.)	GL45	50	50–200	**16157-136**	10/ **98.07**
500 mL (16 oz.)	GL45	100	100–400	**16157-169**	10/ **117.16**
1 L (32 oz.)	GL45	100	100–900	**16157-191**	10/ **143.82**
2 L (64 oz.)	GL45	200	400–1800	**16157-227**	10/ **378.92**
5 L (170 oz.)	GL45	500	500–4500	**16157-250**	1/ **132.17**
10 L (340 oz.)	GL45	1000	2000–9000	**16157-282**	1/ **203.30**

*Does not include pouring ring.



PYREX® Square Graduated Media Bottles, Corning

- Square design saves 13–20% of shelf space
- Slightly convex walls minimize glass-to-glass contact during autoclaving and rounded edges allow for easy cleaning
- Features white graduation marks and a large marking spot
- A glass ridge molded into the bottle indicates full capacity
- Ideal for dry heat sterilization when used with high-temperature PBT cap and ETFE pouring ring (**16157-497**)
- Supplied with one-piece polypropylene plug seal cap with drip-free pouring ring

Capacity, mL (oz.)	Cap Size	Graduation Interval, mL	Graduation Range, mL	Cat. No.	Case of 10
100 (3 1/2)	GL32	20	40–80	**11310-680**	**106.56**
250 (8 1/2)	GL45	50	50–200	**11310-682**	**119.37**
500 (16)	GL45	100	100–400	**11310-684**	**148.90**
1000 (32)	GL45	100	100–900	**11310-686**	**193.82**

Accessories for PYREX® Narrow Mouth Graduated Media Bottles

Cap Size	Cat. No.	Case of
Open High-Temperature PBT Cap		
GL25	**11310-692**	10/ **38.56**
GL32	**11310-690**	10/ **44.69**
GL45	**11310-688**	10/ **76.53**
High-Temperature ETFE Pouring Ring		
GL45	**16157-497**	50/ **121.74**



PYREX® Wide-Mouth Graduated Media Bottles, Corning

- Designed for heavy-duty storage, mixing, and sampling
- Extra-wide mouth (69mm I.D.) provides easy access for pouring and removing larger items
- Usable up to 500°C (932°F) and is microwavable
- Supplied with one-piece polypropylene plug seal cap with drip-free pouring ring
- Cap size: GLS80

Capacity, mL (oz.)	Graduation Interval, mL	Graduation Range, mL	Dimensions, Dia x H, cm (in.)	Cat. No.	Case of 10
500 (16)	100	100–500	10.1 x 14.8 (4 x 5 7/8)	**89090-062**	**149.14**
1000 (32)	100	100–1000	10.1 x 21.8 (4 x 8 1/2)	**89090-054**	**183.10**
2000 (64)	200	400–2000	13.6 x 24.8 (5 3/8 x 9 3/4)	**89090-060**	**482.28**



FOCUS Information

TIPS TO EXTEND THE LIFE OF YOUR PYREXPLUS® LABWARE

Do not place PYREXPLUS labware over direct heat or open flame

Do not continuously expose PYREXPLUS labware to heat above 80°C (176°F)

Do not expose to dry heat in a dishwasher above 110°C (230°F). Drying time should not exceed 15 minutes at this temperature

Do not steam autoclave above 121°C (250°F). Sterilizing time should not exceed 15 minutes

Do not refrigerate below –20°C (–4°F)

Do not allow prolonged or repeated exposure of the coating to strong acids or solvents



CORNING

PYREXPLUS® Graduated Media Bottles, Corning

- Protective PVC coating helps prevent glass from shattering and reduces spills
- Resistant to thermal shock with thermal durability up to 110°C (230°F)
- Ideal for use with weak acids, strong alkalis, oils, and alcohols
- Supplied with one-piece polypropylene plug seal cap with drip-free pouring ring
- Cap size: GL45

Capacity, mL (oz.)	Graduation Interval, mL	Graduation Range, mL	Cat. No.	Case of 4
100 (3½)	20	40–80	**16157-059**	**99.67**
250 (8½)	50	50–200	**16157-057**	**123.51**
500 (16)	100	100–400	**16157-055**	**157.66**
1000 (32)	100	100–900	**16157-053**	**193.18**
2000 (64)	200	400–1800	**16157-051**	**298.50**



PYREX® Low Actinic Glass Graduated Media Bottles, Corning

- Ideal for storing or transporting light-sensitive materials
- Glass bead indicates full capacity line
- Ideal for dry heat sterilization when used with high-temperature PBT cap and ETFE pouring ring (**16157-497**)
- Supplied with one-piece polypropylene plug seal cap with drip-free pouring ring
- Cap size: GL45

Capacity	Graduation Interval, mL	Graduation Range, mL	Cat. No.	Case of
25 mL (⅞ oz.)	5	10–25	**33500-510**	4/ **73.72**
50 mL (1¾ oz.)	10	20–50	**33500-512**	4/ **76.43**
100 mL (3½ oz.)	20	40–80	**16157-067**	4/ **91.01**
250 mL (8½ oz.)	50	50–200	**16157-065**	4/ **135.15**
500 mL (16 oz.)	100	100–400	**16157-063**	4/ **161.02**
1 L (32 oz.)	100	100–900	**16157-061**	4/ **188.78**
2 L (64 oz.)	200	400–1800	**89090-098**	4/ **322.68**
5 L (170 oz.)	500	500–4500	**89090-104**	1/ **231.23**
10 L (340 oz.)	1000	2000–9000	**80080-920**	1/ **277.46**



KIMAX® Media/Storage Bottles, Kimble Chase

- Made from KG-35 borosilicate glass
- Bottles are graduated and feature a large white marking spot

Capacity, mL (oz.)	Cap Size	Graduation Interval, mL	Graduation Range, mL	Dimensions, Dia. x H, cm (in.)	Cat. No.	Case of
Black Phenolic 14-B White Rubber-Lined Closure						
125 (4)	33-430	25	50–100	5.5 x 12.3 (2 3/16 x 4 7/8)	**16171-004**	48/ **195.46**
250 (8)	33-430	25	50–200	7 x 15 (2 3/4 x 6)	**66014-002**	48/ **252.89**
500 (16)	33-430	50	100–400	8.8 x 19.2 (3 1/2 x 7 1/2)	**16171-002**	24/ **191.32**
1000 (32)	33-430	50	100–900	10.2 x 22.6 (4 x 8 7/8)	**16171-014**	12/ **121.61**
1000 (32)	38-430	50	100–900	10.2 x 22.6 (4 x 8 7/8)	**16171-000**	12/ **119.11**
Black Phenolic PTFE-Faced 14-B White Rubber-Lined Closure						
125 (4)	33-430	25	50–100	5.5 x 12.3 (2 3/16 x 4 7/8)	**16171-010**	48/ **208.98**
250 (8)	33-430	25	50–200	7 x 15 (2 3/4 x 6)	**66014-000**	48/ **262.02**
500 (16)	33-430	50	100–400	8.8 x 19.2 (3 1/2 x 7 1/2)	**16171-008**	24/ **207.00**
1000 (32)	33-430	50	100–900	10.2 x 22.6 (4 x 8 7/8)	**16171-016**	12/ **129.13**
1000 (32)	38-430	50	100–900	10.2 x 22.6 (4 x 8 7/8)	**16171-006**	12/ **127.63**
Black Polypropylene Closure Welded to PTFE/Silicone Liner						
125 (4)	33-430	25	50–100	5.5 x 12.3 (2 3/16 x 4 7/8)	**66014-004**	48/ **212.60**
250 (8)	33-430	25	50–200	7 x 15 (2 3/4 x 6)	**66014-006**	48/ **282.57**
500 (16)	33-430	50	100–400	8.8 x 19.2 (3 1/2 x 7 1/2)	**66014-008**	24/ **198.88**
1000 (32)	38-430	50	100–900	10.2 x 22.6 (4 x 8 7/8)	**66014-010**	12/ **124.37**



KIMAX® Wide-Mouth Media/Storage Bottles, Kimble Chase

- Wide openings are designed for easy filling
- Replaceable, drip-free, clear polypropylene pour ring is incorporated into the bottle design
- Available with or without GL45 polypropylene caps

Capacity	Graduation Interval, mL	Graduation Range, mL	Cat. No.	Case of
Bottles with Caps				
100 mL (3 1/2 oz.)	10	20–80	**89000-926**	10/ **80.12**
250 mL (8 1/2 oz.)	25	50–200	**89000-928**	10/ **88.31**
500 mL (16 oz.)	50	100–400	**89000-930**	10/ **105.38**
1 L (32 oz.)	50	100–900	**89000-932**	10/ **128.27**
2 L (64 oz.)	100	400–1800	**89000-934**	4/ **135.13**
5 L (170 oz.)	250	1000–4500	**89000-936**	1/ **112.96**
10 L (340 oz.)	500	2000–9000	**89000-938**	1/ **193.14**
Bottles without Caps				
100 mL (3 1/2 oz.)	10	20–80	**89012-128**	10/ **67.51**
250 mL (8 1/2 oz.)	25	50–200	**89012-130**	10/ **74.97**
500 mL (16 oz.)	50	100–400	**89012-132**	10/ **89.74**
1 L (32 oz.)	50	100–900	**89012-134**	10/ **109.03**
2 L (64 oz.)	100	400–1800	**89012-136**	4/ **114.87**
5 L (170 oz.)	250	1000–4500	**89012-138**	1/ **96.03**
10 L (340 oz.)	500	2000–9000	**89012-140**	1/ **164.16**



VWR® Media/Storage Bottles

- General-use bottles feature a wide mouth and a drip-free polypropylene ring
- Enhanced graduations and marking spots are printed in permanent white enamel
- Made from borosilicate glass
- Available with or without GL45 polypropylene caps

Capacity	Graduation Interval, mL	Graduation Range, mL	Cat. No.	Case of
Bottles with Standard GL45 Polypropylene Cap				
100 mL (3 1/2 oz.)	10	20–80	**89000-234**	10/ **81.61**
250 mL (8 1/2 oz.)	25	50–200	**89000-236**	10/ **90.64**
500 mL (16 oz.)	50	100–400	**89000-238**	10/ **108.56**
1 L (32 oz.)	50	100–900	**89000-240**	10/ **131.71**
5 L (170 oz.)	250	1000–4500	**89000-244**	1/ **114.92**
10 L (340 oz.)	500	2000–9000	**89000-246**	1/ **198.40**
Bottles without Caps				
100 mL (3 1/2 oz.)	10	20–80	**89012-114**	10/ **69.28**
250 mL (8 1/2 oz.)	25	50–200	**89012-116**	10/ **77.16**
500 mL (16 oz.)	50	100–400	**89012-118**	10/ **92.18**
1 L (32 oz.)	50	100–900	**89012-120**	10/ **112.07**
2 L (64 oz.)	100	400–1800	**89012-122**	10/ **294.20**
5 L (170 oz.)	250	1000–4500	**89012-124**	1/ **97.61**
10 L (340 oz.)	500	2000–9000	**89012-126**	1/ **168.96**



KIMAX® RAY-SORB® Media/ Storage Bottles, Kimble Chase

- Protects light-sensitive products
- Allows <1% transmission below 400nm and <5% transmission between 400–600nm
- Feature enhanced 50mL graduation intervals and drip-free pour ring
- GL45 polypropylene caps are included

Capacity, mL (oz.)	Graduation Range, mL	Cat. No.	Case of 1
500 (16)	100–400	**89000-964**	**38.47**
1000 (32)	100–900	**89000-966**	**44.66**

BECAUSE OF THE PHYSICAL HAZARDS (E.G., HEAT, STEAM, AND PRESSURE) ASSOCIATED WITH AUTOCLAVING, EXTRA CARE MUST BE TAKEN TO ENSURE SAFE USE



Autoclaving Laboratory Glassware

Corning

Autoclaves are widely used to sterilize instruments, glassware and plasticware, solutions and media, and to decontaminate biological wastes. Because of the physical hazards (e.g., heat, steam, and pressure) associated with autoclaving, extra care must be taken to ensure safe use. Corning recommends the following safety practices when autoclaving laboratory glassware:

- Use only borosilicate glassware, such as PYREX glass, which can better withstand the stresses of high autoclave temperatures and pressures.
- Load the autoclave properly as per the manufacturer's recommendations.
- Individual glassware vessels should be placed within a heat-resistant plastic or metal tray on a shelf or rack and never placed directly on the autoclave bottom or floor. There should always be enough space (>5 cm) left between glass vessels to give them room to expand during heating and to prevent them from knocking against other vessels when entering or leaving the autoclave.
- Add ¼ to ½ inch of water to the tray to allow the glassware to heat more evenly.
- Check any plastic caps, tubing, or other items to ensure they can be safely autoclaved with the glassware.
- NEVER autoclave items containing corrosives (e.g., acids, bases, phenol), solvents, volatiles (e.g., ethanol, methanol, chloroform), or radioactive materials.
- Fill glassware only half full with liquids to be sterilized. Also, take into account the volume of liquid to be autoclaved. A 2 liter flask containing 1 liter of liquid takes much longer to sterilize than four 500mL flasks each containing 250mL of liquid.
- Do a test run when autoclaving larger volumes of liquid to make sure the liquid has reached 121°C. Suspend an autoclave thermometer (with a thin wire) in the middle of the liquid filled container to record the highest temperature reached. Then check the reading after the autoclave run is finished, if the temperature is too low then the run time will need to be increased or the volume will need to be reduced.
- When doing dry sterilization, large heavy glassware, such as 3L or larger spinner flasks or 5L or larger bottles and carboys, should have a small amount of distilled water placed inside them to help generate steam.
- Always use the slow exhaust or liquid cool cycle when autoclaving liquids to prevent liquid boil over, which can result in loss of contents.
- To prevent bottles from shattering during pressurization, the caps of vessels with liquids must be completely loosened before loading. Never autoclave a sealed vessel containing liquids as this may result in an explosion of super-heated liquid and steam during the cycle or when the vessel is opened.
- Wear heat-resistant gloves when opening the autoclave door after a cycle. At a minimum, when removing items from an autoclave, you should wear a rubber apron, rubber sleeve protectors, and heat-resistant gloves.
- Wait 5 minutes after the end of the cycle before removing dry glassware from the autoclave; wait 10 to 20 minutes for glassware containing liquids. The larger the volume of liquid the longer you should wait. Liquids removed too soon may boil and overflow the vessel.
- DO NOT tighten caps on vessels immediately after autoclaving, as the vacuum resulting from cooling the steam in the vessel can cause the cap or vessel to shatter. This is especially important on larger vessels. Caps with liners may have their liner sucked into the vessel if the cap is not loose enough.
- Do not put hot glassware, especially large bottles, from an autoclave (or other heat source) on a cold bench top. The stress that is induced will often cause the vessel bottom to crack or fall off.
- For non-liquid loads, let the glassware cool for 15 minutes before touching it with ungloved hands. For liquid loads, let liquids stand for a full hour before touching with ungloved hands. Be sure others in the area know a heat hazard is present.

Serum Vials, WHEATON

- For handling and storage of reagents, vaccines, blood plasma, culture media, and chromatography samples
- Feature blowback in neck and bottom radium for freeze-drying applications
- Made of borosilicate glass
- Autoclavable
- Packaged in shrink-wrapped modules



Capacity, mL	O.D. x H, mm	Mouth I.D. x O.D., mm	Cat. No.	Case of 144
Clear Vials				
2	15 x 32	7 x 13	**16171-284**	**57.41**
5	22 x 40	13 x 20	**16171-286**	**73.77**
10	24 x 50	13 x 20	**16171-287**	**86.72**
Amber Vials				
2	15 x 32	7 x 13	**16171-293**	**74.83**
5	22 x 40	13 x 20	**16171-298**	**86.33**
10	24 x 50	13 x 20	**16171-291**	**107.43**

Serum Vials, Kimble Chase

- Ideal for handling and storing a variety of liquids, such as reagents, vaccines, and chromatography samples
- Crimp-top vials are lighter weight than molded bottles
- Closely held tolerances allow vials to be lyophilized
- Made of borosilicate glass
- Autoclavable



Capacity, mL	O.D. x H, mm	Cap Size	Cat. No.	Case of
Clear Vials				
2	15 x 40	13	**66013-120**	1440/ **484.50**
3.5	18 x 45	13	**66013-122**	1440/ **501.96**
5	23 x 47	20	**66013-127**	864/ **344.88**
10	25 x 54	20	**66013-129**	864/ **483.79**
20	30 x 57	20	**66013-131**	720/ **488.14**
Amber Vials				
2	15 x 40	13	**66013-143**	1440/ **702.58**
5	23 x 47	20	**66013-150**	864/ **431.13**
10	25 x 54	20	**66013-152**	864/ **611.49**
30	30 x 86	20	**66013-156**	576/ **598.53**

Recommendations for the Care and Use of Glassware

Kimble Chase

Avoid abrasions

An abrasion reduces the strength of glass, making it more susceptible to breakage under impact and/or thermal shock. Thermal shock may result from sudden changes in temperature or use on either a burner or hot plate.

Avoid Impacts

Glass will break as a result of impact. Use care when handling to avoid impacting hard objects, such as spigots, other glassware, counter tops, etc.

Heating Glassware

Use wire gauze when heating over open flame.

Use either low or medium heat settings when using a hot plate. High hot plate settings will cause excessive localized heating of the glassware and will eventually cause breakage and possible injury.

DO NOT heat glassware designated as heavy duty unless recommended by manufacturer. Even though these items have added mechanical strength, they are more susceptible to breakage from thermal shock when heated.

DO NOT allow the contents of the container to boil dry as this may induce permanent stresses that will eventually cause breakage. Discard containers that have been boiled dry.

DO NOT heat glassware to temperatures >426°C(800°F) needed to burn out carbon residues. This will result in the introduction of permanent stresses in the glass that will eventually cause the glassware to break resulting in possible injury.

Proper Cleaning Procedure

Washing machines may be used, as long as the support racks on the washer are well maintained. The support pins should be coated with a nonabrasive material to prevent metal to glass contact and scratching.

For manual washing, use only plastic core brushes that have soft nonabrasive bristles. Soft, clean sponges or other wiping materials may be used.

Inspect glassware before each use and discard if scratched, chipped, cracked or damaged in any way.

Many commercial glass cleaners are available. Follow the manufacturer's directions for the use of these products since some are corrosive and can damage the glass.

Organic solvents are acceptable cleaning agents when conditions warrant their use.

Improper Cleaning Procedure

DO NOT place metal or other hard objects, such as spatulas, glass stirring rods, or brushes with metal parts, inside the glassware. This will scratch the glass and cause eventual breakage and injury.

DO NOT use strong alkaline products and hydrofluoric acid as cleaning agents, they are glass dissolvers and can damage the glassware and eventually cause breakage which can result in injury.

DO NOT use any abrasive cleansers, including soft cleansers (e.g., Ajax, Comet, Old Dutch, Soft Scrub, etc.), as these will scratch the glass and cause eventual breakage and injury.

DO NOT place hands inside glassware while wearing any jewelry, particularly diamond rings, as these will score the inside of the glassware and eventually cause breakage and injury.







VWR® Scintillation Vials

- Fit all standard counting equipment for liquid scintillation systems
- Polyethylene vials meet rigid specifications for low background counts, making them ideal for low activity counting
- Tray packaging features an alphanumeric grid for easy sample identification; unattached caps are packaged in a separate tray
- Bulk packaging provides vials in one bag and caps in a second bag
- Dimensions: 28 dia. x 61Hmm (with cap attached)
- Capacity: 20mL
- Cap size: 22-400

Cap Type	Cap Liner	Attached Caps	Packaging	Cat. No.	Case of
Borosilicate Glass Vials					
Polypropylene Cap	Foamed Polyethylene	Yes	Tray	**66022-065**	500/ **207.92**
Polypropylene Cap	Pulp Foil	Yes	Tray	**66022-060**	500/ **241.56**
Polypropylene Cap	Pulp Foil	No	Tray	**66022-081**	500/ **231.90**
White Urea Cap	Cone-Shaped	No	Tray	**66022-128**	500/ **292.42**
White Urea Cap	Cork Foil	Yes	Tray	**66022-004**	500/ **228.60**
White Urea Cap	Cork Foil	No	Tray	**66022-106**	500/ **246.09**
Polyethylene Vials					
Polypropylene Cap	Foamed Polyethylene	No	Bulk	**66022-225**	1000/ **246.07**
Polypropylene Cap	Pulp Foil	Yes	Tray	**66022-274**	500/ **161.18**
Polypropylene Cap	Pulp Foil	No	Tray	**66022-296**	500/ **178.77**
Polypropylene Cap	Pulp Foil	No	Bulk	**66022-263**	1000/ **260.74**
White Urea Cap	Cone-Shaped	No	Tray	**66022-241**	500/ **245.96**
White Urea Cap	Cork Foil	Yes	Tray	**66022-208**	500/ **193.62**
White Urea Cap	Cork Foil	No	Tray	**66022-220**	500/ **193.92**



VWR® Solvent-Saver™ Scintillation Vials

- Small vial dimensions permit substantial reduction in the quantity of solvent required
- White urea cap has a cork-backed foil liner and is suitable for marking on the top
- Capacity: 7mL

Description	O.D. x H, mm	Packaging	Cat. No.	Case of 1000
Borosilicate Glass Vials	17 x 57	200 Vials/Tray; 5 Trays/Case	**66022-300**	**374.93**
Polyethylene Vials	17 x 54	250 Vials/Tray; 4 Trays/Case	**66022-387**	**331.78**
Polyethylene Vials	17 x 54	1000 Vials/Bag	**66022-398**	**201.66**
Replacement Caps	—	1000 Caps/Bag	**66022-140**	**115.18**

Scintillation Vials, WHEATON



- Made of low-potassium borosilicate glass
- Critical manufacturing tolerances ensure reliable, consistent results with low background counts and high ultraviolet transmission
- Caps are suitable for writing on
- Packaged in individual trays of 100
- Dimensions: 28 dia. x 61Hmm
- Capacity: 20mL

Cap Size, mm	Cap Type	Cap Liner	Cat. No.	Case of 500
Vials with Attached Caps				
22	Polypropylene	Foil	**66021-453**	**209.84**
22	Urea	Foil	**66021-497**	**224.59**
22	Urea	Polyethylene Disc	**66021-577**	**254.69**
22	Urea	Poly-Seal™ Cone	**66021-533**	**263.86**
24	Polypropylene	Foil	**56941-386**	**217.37**
24	Urea	Foil	**66021-602**	**242.16**
24	Urea	Polyethylene Disc	**66021-624**	**252.94**
Vials with Unattached Caps				
22	Polypropylene	Foil	**66021-646**	**217.37**
22	Urea	Foil	**66021-657**	**231.84**
22	Urea	Poly-Seal Cone	**66021-668**	**272.29**
24	Polypropylene	Foil	**56941-513**	**217.37**
Vials with No Caps				
22	—	—	**56941-604**	**177.35**



Scintillation Vial Rack, SCIENCEWARE®

- Polypropylene rack holds 24 scintillation vials
- Ideal for storage or sample preparation
- Autoclavable
- Dimensions: 29.8W x 12.7D x 9.5Hcm (11¾ x 5 x 3¾")

Description	Cat. No.	Case of 4
Polypropylene Vial Rack	**66022-503**	**144.14**

VWR® Borosilicate Glass Vials with Phenolic Screw Cap



- General-purpose
- Available in either short form or capsule style
- Feature black phenolic molded screw cap with polyvinyl-faced pulp liner
- Cap is the same diameter as the body, ensuring a flush fitting

Volume, drams	O.D. x H, mm	Cap Size	Cat. No.	Pack of
Short Form Vials				
0.5	12 x 35	8-425	**66011-020**	144/ **56.71**
1	15 x 45	13-425	**66011-041**	144/ **89.01**
1.5	16 x 50	13-425	**66011-063**	144/ **50.21**
2	17 x 60	15-425	**66011-085**	144/ **47.30**
3	19 x 65	15-425	**66011-100**	144/ **57.03**
4	21 x 70	18-400	**66011-121**	144/ **106.36**
6	23 x 85	20-400	**66011-143**	144/ **94.16**
8	25 x 95	22-400	**66011-165**	144/ **73.78**
Capsule Vials				
4	28 x 57	24-400	**66012-022**	72/ **70.40**
6	28 x 70	24-400	**66012-044**	72/ **85.76**
9.5	28 x 95	24-400	**66012-066**	72/ **95.41**
11	28 x 108	24-400	**66012-088**	72/ **96.31**



Disposable Vials with Snap-On Caps, SCIENCEWARE®

- Constructed of glass-clear polystyrene for complete visibility
- Excellent for storing dry materials, powders, tablets, and other samples
- Heavy, rigid-wall construction ensures long service
- Supplied with tight-fitting polyethylene snap-on caps
- Can be used at temperatures up to 70°C (158°F)

Volume, drams	I.D. x L, mm (in.)	Cat. No.	Pack of
3	19 x 48 (¾ x 1 7/8)	**89097-516**	144/ **48.52**
5	22 x 48 (7/8 x 1 7/8)	**89097-518**	144/ **49.66**
7	26 x 51 (1 x 2)	**89097-520**	144/ **54.03**
10	27 x 50 (1 1/16 x 1 31/32)	**89097-522**	144/ **69.98**
13	30 x 56 (1 5/6 x 2 3/16)	**89097-524**	144/ **78.88**
15	32 x 64 (1 1/4 x 2 1/2)	**89097-526**	144/ **80.88**
20	38 x 64 (1 1/2 x 2 1/2)	**89097-528**	144/ **98.53**
30	45 x 76 (1 3/4 x 3)	**89097-530**	72/ **68.83**
40	45 x 102 (1 3/4 x 4)	**89097-532**	72/ **79.80**



Micro Sample Vial, Borosilicate Glass, with Screw Cap, WHEATON

- Multi-purpose
- Manufactured from Wheaton 33 low extractable borosilicate glass
- Economical when used for scintillation vial
- Contains micro samples up to 2mL
- Features metal-foil lined white plastic cap
- Dimensions (with cap): 12 x 38mm

Cap Size	Cat. No.	Case of 288
8-425	**66021-908**	**156.83**

Low extractable, KIMAX® N-51A glass conforms to ASTM Type I, Class B requirements.





Sample Vials, Kimble Chase

- General-purpose
- Clear N-51A borosilicate glass
- Volumes range from 0.5 to 11 drams
- Available with or without screw caps
- For additional sizes or amber glass, visit **vwr.com**

Volume, drams	O.D. x H, mm	Cap Size	Cat. No.	Case of
Vials with Polyvinyl-Faced/Pulp-Lined Caps				
1	15 x 45	13-425	**66010-265**	2304/ **684.26**
2	17 x 60	15-425	**66010-268**	1728/ **620.43**
4	21 x 70	18-400	**66010-272**	1152/ **526.50**
4	28 x 57	24-400	**66012-140**	432/ **229.63**
6	23 x 85	20-400	**66010-274**	864/ **424.97**
6	28 x 70	24-400	**66012-142**	432/ **252.02**
8	25 x 95	22-400	**66010-276**	576/ **293.46**
11	28 x 108	24-400	**66012-146**	432/ **247.55**
Vials with Rubber-Lined Caps				
1	15 x 45	13-425	**66010-300**	576/ **174.46**
1	15 x 45	13-425	**66010-442**	2304/ **720.31**
2	17 x 60	15-425	**66010-322**	576/ **219.16**
2	17 x 60	15-425	**66010-445**	1728/ **698.69**
4	28 x 57	24-400	**66010-446**	432/ **271.12**
6	28 x 70	24-400	**66010-448**	432/ **285.00**
11	28 x 108	24-400	**66010-452**	432/ **309.08**
Vials without Caps				
1	15 x 45	13-425	**66010-243**	3456/ **777.66**
2	17 x 60	15-425	**66010-247**	2160/ **690.63**
4	21 x 70	18-400	**66010-251**	1152/ **597.10**
6	26 x 85	20-400	**66010-253**	864/ **589.42**
8	25 x 95	22-400	**66010-255**	864/ **607.43**



KIMAX® Sample Vials, Borosilicate Glass, with PTFE-Lined Screw Cap, Kimble Chase

- Manufactured from clear KG-33 borosilicate glass
- Supplied with PTFE-lined solid-top screw caps attached
- 16mL size complies with EPA 600 Series Methods

Volume, mL	O.D. x H, mm	Cap Size	Cat. No.	Case of 144
2	12 x 35	8-425	**66009-988**	**180.08**
4	15 x 47	13-425	**66009-981**	**133.18**
8	17 x 63	15-425	**66009-984**	**157.83**
12	19 x 67	15-425	**66009-985**	**176.75**
16	21 x 72	18-400	**66009-986**	**202.18**
24	23 x 87	20-400	**66009-987**	**231.78**



Sample Vials, Borosilicate Glass, WHEATON

- Made of Wheaton 33 low extractable borosilicate glass, to protect against changes pH and maintain purity
- Ideal for research studies where stability of glass is of prime importance
- Vials and caps can be sterilized and stored at low temperatures

Volume, mL	O.D. x H, mm	Cap Size	Cat. No.	Case of
Vials with Caps				
2	12 x 38	8-425	**66011-256**	288/ **150.48**
4	15 x 48	13-425	**66011-278**	144/ **80.45**
8	17 x 63	15-425	**66011-290**	144/ **93.62**
20	28 x 60	24-400	**66011-405**	72/ **76.43**
40	28 x 98	24-400	**66014-389**	72/ **84.13**
Vials without Caps				
20	27.75 x 57	24-400	**66014-403**	200/ **172.96**
25	27.75 x 70	24-400	**66014-436**	200/ **199.00**
40	27.75 x 95	24-400	**66014-469**	200/ **197.08**



Sample Vials, Amber Glass, WHEATON

- Especially suited for research studies
- Wheaton 320 brand amber borosilicate glass protects light-sensitive samples and maintains integrity of contents
- Black phenolic solid-top caps have a white, styrene-butadiene rubber liner
- Vials and caps are autoclavable and suitable for storage at low temperatures

Volume, mL	O.D. x H, mm	Cap Size	Cat. No.	Case of
Vials with Caps				
2	12 x 38	8-425	**66011-937**	288/ **160.81**
4	15 x 48	13-425	**66011-948**	144/ **88.82**
8	17 x 63	15-425	**66011-959**	144/ **101.61**
Vials without Caps				
20	28 x 57	24-400	**80076-576**	200/ **186.14**



Sample Vials, Borosilicate Glass, with Attached Closures, WHEATON

- Solid-top, screw-thread phenolic closures are lined with PTFE-faced 14B white styrene-butadiene rubber
- Provides an extremely inert and chemically-resistant environment for harsh, sensitive, and reactive samples
- Manufactured from borosilicate glass (meets ASTM Type I Class A and USP Type I standards) to protect against pH changes and maintain purity of contents
- Autoclavable

Volume, mL (drams)	O.D. x H, mm	Cap Size	Cat. No.	Case of
Clear Vials				
4 (1.1)	15 x 48	13-425	**14230-822**	144/ **140.33**
8 (2.2)	17 x 63	15-425	**14230-824**	144/ **164.78**
20 (5.4)	28 x 60	24-400	**14231-552**	72/ **140.22**
24 (6.5)	23 x 88	20-400	**14230-830**	144/ **240.75**
40 (10.8)	28 x 98	24-400	**14231-556**	72/ **180.56**
Amber Vials				
4 (1.1)	15 x 48	13-425	**14230-834**	144/ **175.59**
8 (2.2)	17 x 63	15-425	**14230-836**	144/ **185.32**
20 (5.4)	28 x 57	24-400	**80076-572**	72/ **140.65**



FOCUS ON YOUR CORE ACTIVITIES AND MAXIMIZE YOUR PRODUCTIVITY WITH **VWR**CATALYST.

VWRCATALYST offers a full portfolio of validation and calibration services to cover all of your preventative maintenance needs, as well as other services such as glasswashing, supply chain management, and logistical support. Contact your VWR Sales Representative or call **1.888.793.2300** for more information on **VWR**CATALYST.

FOCUS Information

Clear and amber screw-thread vials for the collection and storage of water samples comply with the guidelines for establishing test procedures for the analysis of pollutants (Ref. EPA Methods 601, 602, 603 and 604). Clear EPA vials are fabricated from KG-33 borosilicate glass. Amber EPA vials, for light sensitive solutions, are fabricated from amber 203 borosilicate glass. Open top closures and PTFE-faced silicone septa or solid top PTFE-faced white rubber-lined closures are available separately. While vials are not "pre-cleaned," they are packaged in a plastic, shrink-wrap module, lehr-clean, as they come from the end of the production lehr. They are then placed into corrugated shelf-packs.

KIMBLE CHASE

EPA Screw-Thread Vials, Kimble Chase



EPA Water Analysis Vials without Closures

- Available in clear KG-33 or amber 203 borosilicate glass
- Cap size: 24-400

Volume, mL	O.D. x H, mm	Cat. No.	Case of 432
Clear Vials			
20	28 x 57	**66014-301**	**252.70**
30	28 x 70	**66014-323**	**290.88**
40*	28 x 95	**66014-345**	**297.99**
45	28 x 108	**66014-346**	**315.80**
60	30 x 123	**66009-455**	**326.69**
Amber Vials			
20	28 x 57	**66014-353**	**303.21**
40*	28 x 95	**66014-355**	**357.56**

*EPA 40 CFR 136 "Guidelines for Establishing Test Procedures for the Analysis of Pollutants" and EPA 40 CFR 141 "National Interim Primary Drinking Water Regulations; Control of Trihalomethanes in Drinking Water" recommend the use of 28 x 95 mm vials for discrete water sampling. Kimble also offers the specified open-top closures, as well as the PTFE-faced silicone rubber septum (73818A).



EPA Water Analysis Vials with Attached Closures

- Fabricated from clear KG-33 borosilicate glass
- Open top, white polypropylene, screw-thread closures
- Septa (included) are PTFE-faced (0.005") silicone rubber (0.120")
- Cap size: 24-400

Volume, mL	O.D. x H, mm	Cat. No.	Case of 432
20	28 x 60	**66014-303**	**736.16**
30	28 x 73	**66014-304**	**771.04**
40	28 x 98	**66014-299**	**824.15**



VWR TraceClean® Containers

VWR TraceClean provides EPA cleaning procedures for containers and associated closures and liners.

Containers are available in four different reporting levels:

- **Quality Assured (QA)**: Containers are processed and certified to meet or exceed EPA requirements as outlined in "Specifications and Guidance for Contaminant-Free Sample Containers". All containers are packaged with the Certificate of Analysis and Cleaning Protocol form.
- **Quality Assured, Label (QAL)**: Containers are processed to the same standard as QA. All containers are packaged with the Certificate of Analysis, Cleaning Protocol form, and labels.
- **Processed (PC)**: Containers are processed to the same standard as QA, but no Certificate of Analysis is provided. Containers are packaged with a Cleaning Protocol form only.
- **Not Processed (NPC)**: Containers are not processed according to any EPA cleaing protocol, but come capped and packaged ready for use.

To order TraceClean containers, visit vwr.com.









NextGen™ V Vial® Sample Vials, WHEATON

- Feature a conical interior bottom for maximum retrieval of content
- Can be used for small-scale reactions, centrifugation, storage, and shipping
- Ideal for use in the biochemical, pharmaceutical, and radiochemical industries
- Fire-glazed bottom protects against glass particulates
- Clear vials are made of Wheaton 33 low extractable borosilicate glass, to protect against pH changes and maintain purity
- Amber vials are made of Wheaton 320 low extractable borosilicate glass

Volume, mL	O.D. x H, mm	Cap Size	Color	Cat. No.	Case of
Vials with Solid-Top Caps					
0.3	13 x 35	13-425	Clear	**89085-416**	12/ **79.54**
1	13 x 44	13-425	Clear	**89085-418**	12/ **90.25**
2	17 x 61	15-415	Clear	**89085-420**	12/ **107.79**
2	20 x 44	20-400	Clear	**89085-422**	12/ **107.79**
3	20 x 50	20-400	Clear	**89085-424**	12/ **115.05**
5	20 x 65	20-400	Clear	**89085-426**	12/ **126.59**
10	24 x 72	24-400	Clear	**89085-428**	6/ **109.48**
0.3	13 x 35	13-425	Amber	**89085-468**	12/ **166.36**
1	13 x 44	13-425	Amber	**89085-470**	12/ **173.64**
2	20 x 44	20-400	Amber	**89085-472**	12/ **180.87**
3	20 x 50	20-400	Amber	**89085-474**	12/ **188.09**
5	20 x 65	20-400	Amber	**89085-476**	12/ **195.35**
Graduated Vials with Solid-Top Caps					
0.3	13 x 35	13-425	Clear	**89085-430**	12/ **87.17**
1	13 x 44	13-425	Clear	**89085-432**	12/ **98.85**
2	17 x 61	15-415	Clear	**89085-434**	12/ **120.80**
2	20 x 44	20-400	Clear	**89085-436**	12/ **120.80**
3	20 x 50	20-400	Clear	**89085-438**	12/ **118.43**
5	20 x 65	20-400	Clear	**89085-440**	12/ **119.54**
Vials with Open-Top Caps					
0.1	12 x 32	8-425	Clear	**89085-442**	12/ **115.05**
0.3	12 x 32	8-425	Clear	**89085-444**	12/ **115.05**
0.3	13 x 35	13-425	Clear	**89085-446**	12/ **81.08**
1	13 x 44	13-425	Clear	**89085-448**	12/ **91.94**
2	20 x 44	20-400	Clear	**89085-450**	12/ **107.79**
3	20 x 50	20-400	Clear	**89085-452**	12/ **107.79**
5	20 x 65	20-400	Clear	**89085-454**	12/ **126.59**
10	24 x 72	24-400	Clear	**89085-456**	6/ **109.48**
0.3	13 x 35	13-425	Amber	**89085-478**	12/ **166.36**
1	13 x 44	13-425	Amber	**89085-480**	12/ **173.64**
2	20 x 44	20-400	Amber	**89085-482**	12/ **180.87**
3	20 x 50	20-400	Amber	**89085-484**	12/ **188.09**
5	20 x 65	20-400	Amber	**89085-486**	12/ **195.35**
Graduated Vials with Open-Top Caps					
0.3	13 x 35	13-425	Clear	**89085-458**	12/ **88.73**
1	13 x 44	13-425	Clear	**89085-460**	12/ **100.67**
2	20 x 44	20-400	Clear	**89085-462**	12/ **120.80**
3	20 x 50	20-400	Clear	**89085-464**	12/ **123.66**
5	20 x 65	20-400	Clear	**89085-466**	12/ **135.28**
Vials with Crimp Top					
0.1	12 x 32	—	Clear	**89085-402**	12/ **78.53**
0.3	12 x 32	—	Clear	**89085-404**	12/ **97.42**
0.3	13 x 32	—	Clear	**89085-406**	12/ **66.24**
1	13 x 41	—	Clear	**89085-408**	12/ **75.65**
2	20 x 40	—	Clear	**89085-410**	12/ **122.24**
3	20 x 46	—	Clear	**89085-412**	12/ **123.06**
5	20 x 61	—	Clear	**89085-414**	12/ **122.67**
Vials without Caps					
0.3	13 x 35	13-425	Amber	**89085-488**	12/ **124.19**
1	13 x 44	13-425	Amber	**89085-490**	12/ **89.77**
2	20 x 44	20-400	Amber	**89085-492**	12/ **125.19**
3	20 x 50	20-400	Amber	**89085-494**	12/ **133.59**
5	20 x 65	20-400	Amber	**89085-496**	12/ **140.60**



Score-Break Ampules, Kimble Chase

- Designed with a score-mark on the constriction breakpoint for easy opening
- Made from borosilicate glass
- Trimmed-stem ampules are pull-sealed; short-stem ampules are tip-sealed

Volume, mL	O.D. x H, mm	Stem Type	Cat. No.	Case of
Clear Glass Ampules				
1	10.75 x 67	Trimmed	**66009-454**	1152/ **300.14**
2	12 x 75	Trimmed	**66009-462**	1152/ **296.85**
2	12 x 61	Short	**66009-460**	144/ **39.40**
5	16.75 x 88	Trimmed	**66009-458**	864/ **283.85**
10	19.5 x 107	Trimmed	**66009-457**	576/ **310.46**
20	23 x 135	Trimmed	**66009-450**	288/ **229.55**
Amber Glass Ampules				
1	10.75 x 67	Trimmed	**66009-453**	144/ **40.91**
2	12 x 75	Trimmed	**66009-452**	144/ **43.59**





Cryule® Cryogenic Ampules, WHEATON

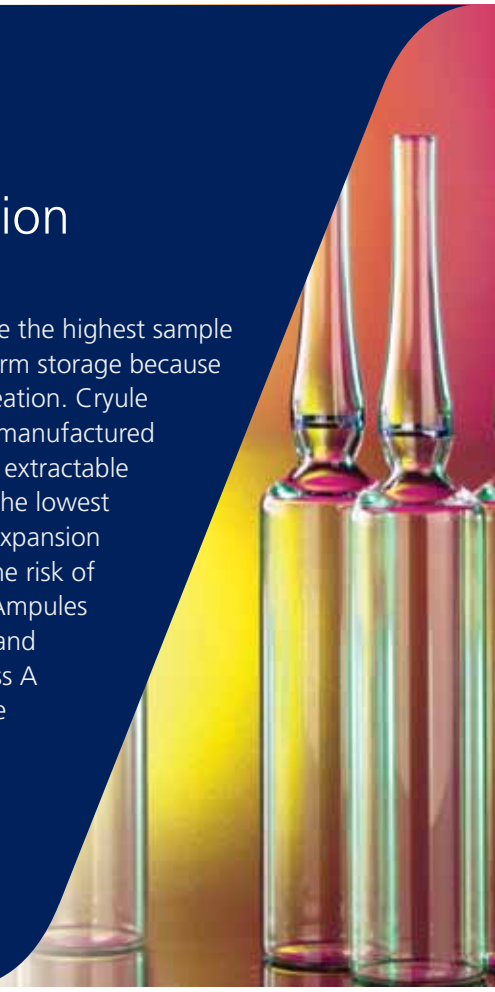
The Highest Sample Integrity for Long-Term Storage

- Special design allows for storage at low temperatures and rapid thawing
- Can be used in the vapor phase of liquid nitrogen
- Available pre-scored for clean breaks when opening
- 2D data matrix or linear bar code can be applied to ampules

Volume, mL	O.D. x H, mm	Top O.D., mm	Cat. No.	Case of 144
Non-Scored Ampules				
1.2	11.8 x 58	5	**16300-183**	**63.99**
1.5	11.5 x 61	5	**14231-262**	**63.68**
2	11.5 x 70	5	**16300-185**	**70.00**
5	16.5 x 98	8	**14231-264**	**131.88**
10	19.5 x 114	9	**16300-186**	**155.54**
Pre-Scored Ampules				
1	10.5 x 61	5	**16300-189**	**80.06**
1.2	11.8 x 58	5	**16300-190**	**77.99**
2	11.5 x 70	5	**16300-191**	**91.62**

FOCUS Information

Glass containers provide the highest sample integrity during long-term storage because they prevent gas permeation. Cryule cryogenic ampules are manufactured from 33 expansion low extractable borosilicate glass with the lowest coefficient of thermal expansion available to minimize the risk of thermal shock failure. Ampules conform to USP Type I and ASTM E438 Type I, Class A requirements to provide assurance of product integrity.



WHEATON
Science Products
a division of WHEATON Industries Inc.

Bar-Coded Storage Tubes, Corning

- Store maximum information with synchronized 14x14 dot 2D and linear bar codes and a manual marking spot
- Permanent laser-etched bar codes offer safe cryogenic storage and easy identification when removed from storage
- Constructed with inert polypropylene

Description	Cat. No.	Case of
Storage Tubes		
1.3 mL Screw-Thread Tubes with 1D/2D Bar Codes	**89168-506**	960/ **730.22**
130 µL Round Tubes with 2D Bar Codes, Rack of 384	**89168-526**	7680/ **1736.53**
130 µL Square Tubes with 2D Bar Codes, Rack of 384	**89168-524**	7680/ **1736.53**
Caps		
Polypropylene Screw Caps with O-Ring for 1.3 mL Tubes	**89168-514**	4800/ **2267.68**
Thermoplastic Elastomer Septum Caps for 1.3 mL Tubes	**89168-518**	9600/ **473.01**
Round-Plug Caps for 120 µL Round Tubes	**89168-530**	38400/ **3072.51**
Racks		
Empty Racks with Lids for 1.3 mL Screw-Thread Tubes	**89168-522**	10/ **65.01**
Empty Racks with Lids for 120 µL Round or Square Tubes	**89168-532**	20/ **158.02**



CORNING

FOCUS Information

Keep your data safe and secure with these 1D/2D Bar-Coded Storage Tubes. Synchronized bar codes ensure seamless coordination between sample prep and automated hit picking. The ANSI/SBS footprint tube boxes and locking racks protect your samples during cryogenic storage, transport, and accidental drops.





VWR® Cryogenic Vials with Closures

- Special base design allows them to be locked into a cryogenic rack and tray for single-handed manipulation
- Graduation marks and a large marking spot for easy labeling of contents
- Can be color-coded with cap inserts, sold separately
- Polypropylene vials can withstand temperatures to –196°C (–321°F)
- DNase- and RNase-free, nonpyrogenic, and sterile

Volume, mL	Thread	Cat. No.	Case of 500
Conical-Bottom, Self-Standing			
1.2	External	**89094-800**	**202.33**
1.2	Internal	**89094-802**	**209.36**
Round Bottom			
2	External	**89094-808**	**205.21**
2	Internal	**89094-804**	**212.78**
4	Internal	**89094-814**	**240.30**
5	Internal	**89094-820**	**315.94**
Round Bottom, Self-Standing			
2	External	**89094-806**	**205.21**
2	Internal	**89094-810**	**212.78**
4	External	**89094-812**	**231.72**
4	Internal	**89094-816**	**240.30**
5	External	**89094-818**	**269.39**
5	Internal	**89094-822**	**278.50**







Introducing Exclusively from VWR



FOCUS Information

Sort and retrieve your samples more quickly and easily with the CryoELITE rainbow pack. The rainbow pack is a multi-colored assortment of CryoFile™ storage boxes and CryoELITE cryogenic vials for easy color coding of your samples or projects.

CryoELITE™ Rainbow Pack from WHEATON

The rainbow pack includes:

- 2mL CryoELITE cryogenic vials — freestanding, externally-threaded, and packaged into sterile bags of 50 vials
- Three bags of each of the following colors: yellow, pink, white, red, and blue
- CryoFile storage boxes — 81 count
- Two storage boxes each in the following colors: yellow, pink, white, red, and blue

Description	Cat. No.	Case of 25
CryoELITE Rainbow Pack	**89199-126**	**321.13**

CryoELITE™ Cryogenic Vials, WHEATON



- 2mL vials are made from low binding, cryogenic grade, virgin polypropylene
- Colored caps match CryoFile™ storage box colors to easily color code projects
- Cap seal exceeds DOT and IATA regulations for ultimate sample protection during transportation and freeze-thaw cycles
- Loctagon™ vial skirt provides stability in freestanding position for easy open and closing with one hand
- Bottom format allows unrestricted view of the optional 2D bar code for automated screening
- Dimensions for external thread vials: 12x50mm; dimensions for internal thread vials: 12x49mm

Cap Color	Writing Patch	Sterile	Cat. No.	Case of
Vials with External Thread				
Natural	No	No	**89125-492**	1000/ **327.71**
Natural	Yes	No	**89125-490**	1000/ **402.06**
Natural	Yes	Yes	**89125-512**	500/ **211.43**
Blue	Yes	Yes	**89125-510**	500/ **211.43**
Green	Yes	Yes	**89125-508**	500/ **211.43**
Pink	Yes	Yes	**89125-504**	500/ **211.43**
Red	Yes	Yes	**89125-502**	500/ **211.43**
White	Yes	Yes	**89125-500**	500/ **211.43**
Yellow	Yes	Yes	**89125-506**	500/ **211.43**
Vials with Internal Thread				
Natural	No	No	**89125-452**	1000/ **327.71**
Natural	Yes	No	**89125-450**	1000/ **402.06**
Natural	Yes	Yes	**89125-478**	500/ **211.56**
Blue	Yes	Yes	**89125-476**	500/ **211.56**
Green	Yes	Yes	**89125-474**	500/ **211.56**
Pink	Yes	Yes	**89125-470**	500/ **211.56**
Red	Yes	Yes	**89125-468**	500/ **211.56**
White	Yes	Yes	**89125-466**	500/ **211.56**
Yellow	Yes	Yes	**89125-472**	500/ **211.56**



CryoFile™ Storage Boxes, WHEATON

- Colors match CryoELITE vials for easy sample identification
- Partitions are numbered from 1–81 with the numbering system printed on both the lid and the bottom of the box
- Lids provide space to write additional sample information
- Fits 1.2 and 2mL vials
- Water-repellent material provides longer durability
- Boxes withstand temperatures down to –196°C (–321°F)
- Dimensions: 13L x 13W x 5.2Hcm (5⅛ x 5⅛ x 2")

Color	Cat. No.	Case of 15
Blue	**89092-392**	**80.83**
Green	**89092-376**	**80.83**
Pink	**89092-380**	**80.83**
Red	**89092-396**	**80.83**
White	**89092-388**	**80.83**
Yellow	**89092-384**	**80.83**

WHEATON
Science Products
a division of WHEATON Industries Inc.

FOCUS Information

This sophisticated 2D data matrix and 1D linear bar code reader is capable of reading coded vials and ampules from a wide range of manufacturers and label printers. To be readable, bar codes must adhere to the ISO16022 data matrix two dimensional bar code format or ISO22742 linear bar code format.



WHEATON Science Products
a division of WHEATON Industries Inc.

SingleScan™ Bar Code Reader, WHEATON

- Plug-and-play design with USB connection enables easy set-up with no software installation required
- Inputs decoded 1D or 2D bar code into any software application where the curser is placed
- One-year warranty

Description	Cat. No.	Each
SingleScan Bar Code Reader	**89194-788**	**2250.00**



CryoELITE™ 2D Data Matrix Bar Code Bottom Inserts, WHEATON

- Optional insert allows for immediate bar coding of samples
- Can also be applied to the vial at a future date
- Insert easily press fits and locks into the bottom of the vial

Sterile	Cat. No.	Case of 500
Yes	**89134-436**	**185.76**
No	**89134-438**	**180.91**



VWR® Cryogenic Dot and Strip Labels

- Ideal for all cryostorage, liquid nitrogen, refrigeration, and ultra-low temperature freezer applications
- Can be placed in most incubators
- Features a unique adhesive that can withstand extreme temperatures from –196 to 121°C (–321 to 250°F) without the need for lamination

Description	Dimensions, W x H mm (in.)	Color	Packaging	Cat. No.	Case of
Rolls of Labels					
Dots for 0.5–1.5 mL Tubes	9.5 (3/8) dia.	White	Roll of 1000	**89097-576**	1000/ **52.78**
Dots for 0.5–1.5 mL Tubes	9.5 mm (3/8) dia.	Multicolor	Roll of 5000	**89097-584**	5000/ **172.38**
Dots for 1.5–2 mL Tubes	13 (1/2) dia.	White	Roll of 1000	**89097-580**	1000/ **55.47**
Strips for 1.5–2 mL Tubes	33 x 13 (1 1/4 x 1/2)	White	Roll of 1000	**89097-574**	1000/ **55.47**
Boxes of Laser Printer Label Sheets					
Dots for 0.5–1.5 mL Tubes	9.5 (3/8) dia.	White	20 Sheets, 192/Sheet	**89097-590**	20/ **92.87**
Strips for 0.5 mL Tubes	24 x 13 (1 x 1/2)	White	20 Sheets, 119/Sheet	**89097-582**	20/ **107.58**
Strips for 1.5–2 mL Tubes	33 x 13 (1 1/4 x 1/2)	White	20 Sheets, 85/Sheet	**89097-572**	20/ **111.18**
Strips for 1.5–2 mL Tubes	33 x 13 (1 1/4 x 1/2)	Multicolor	25 Sheets, 85/Sheet	**89097-588**	25/ **172.40**
Strips for Racks or Boxes	67 x 25 (2 5/8 x 1)	White	20 Sheets, 30/Sheet	**89097-578**	20/ **91.72**

Visit **vwr.com** for a wide selection of tubes, racks, and boxes to fit all of your storage needs.



VWR® Cryogenic Storage Boxes

- Polycarbonate boxes are suitable for temperatures down to –196°C (–321°F)
- Feature a large marking spot on the box
- Clear polycarbonate lid can be labeled to show vial contents
- 81-place boxes will hold externally and internally threaded vials
- 100-place boxes will hold internally threaded vials

For Vials	Color	Cat. No.	Case of 10
81-Place Boxes			
1–2 mL	Blue	**89094-838**	**115.79**
1–2 mL	Green	**89094-842**	**121.95**
1–2 mL	Red	**89094-846**	**121.95**
1–2 mL	Yellow	**89094-850**	**121.95**
4–5 mL	Blue	**89094-854**	**147.12**
4–5 mL	Green	**89094-856**	**147.12**
4–5 mL	Red	**89094-858**	**147.12**
4–5 mL	Yellow	**89094-860**	**147.12**
100-Place Boxes			
1–2 mL	Blue	**89094-840**	**121.95**
1–2 mL	Green	**89094-844**	**121.95**
1–2 mL	Red	**89094-848**	**121.95**
1–2 mL	Yellow	**89094-852**	**121.95**

Polarsafe™ Freezer Storage Boxes, Argos Technologies

- Polypropylene boxes are designed for use with 0.5, 1.5, and 2.0mL microtubes or cryogenic vials
- Tight fitting lid ensures that samples will not fall out, even when held upside down
- Fit in stainless steel freezer racks
- Box and lid have alphanumeric grid for easy identification
- Assorted color pack includes one box of each color
- Temperature range: –80 to 121°C (–112 to 250°F)
- Dimensions: 81-place – 13.3L x 13.3W x 5.1Hcm (5¼ x 5¼ x 2"); 100-place – 14L x 14W x 6Hcm (5½ x 5½ x 2⅜")



Color	Cat. No.	Price
81-Place Storage Boxes		
Natural	**89085-514**	Cs. 50/ **318.77**
Blue	**89085-518**	Cs. 50/ **318.77**
Green	**89085-524**	Cs. 50/ **318.77**
Orange	**89085-522**	Cs. 50/ **318.77**
Purple	**89085-520**	Cs. 50/ **318.77**
Assorted	**89085-517**	Pk. 5/ **38.27**
100-Place Storage Boxes		
Natural	**89006-920**	Cs. 50/ **359.76**
Blue	**89006-922**	Cs. 50/ **359.76**
Green	**89006-924**	Cs. 50/ **359.76**
Orange	**89006-926**	Cs. 50/ **359.76**
Purple	**89006-928**	Cs. 50/ **359.76**
Assorted	**89006-930**	Cs. 50/ **359.76**

FOCUS Information

Boxes are manufactured from Eastman Tritan™ BPA-free, shatter-resistant resin and will not deteriorate over time with multiple freeze/thaw cycles or moisture exposure. The standard footprint of 13L x 13W x 5.2Dcm (5⅛ x 5⅛ x 2") is compatible with most liquid nitrogen storage shelves and freezer drawers.







WHEATON
Science Products
a division of WHEATON Industries Inc.

KeepIT™ Freezer Boxes, WHEATON

- Openings in bottom facilitate scanning CryoELITE™ 2D data matrix bar code inserts
- Colors match the colors for the CryoELITE cryogenic vials, allowing for easy identification and sorting of samples

Color	Cat. No.	Case of 10
KeepIT-81 Freezer Boxes		
Blue	**89194-316**	**93.45**
Green	**89194-314**	**93.45**
Pink	**89194-310**	**93.45**
Red	**89194-308**	**93.45**
White	**89194-306**	**93.45**
Yellow	**89194-312**	**93.45**
KeepIT-100 Freezer Boxes		
Blue	**89194-304**	**93.45**
Green	**89194-302**	**93.45**
Pink	**89194-298**	**93.45**
Red	**89194-296**	**93.45**
White	**89194-294**	**93.45**
Yellow	**89194-300**	**93.45**





VWR® CryoPro® Storage Boxes and Dividers

- Durable fiberboard construction with a protective, moisture-repellant coating
- Liquid nitrogen freezer boxes feature slots for safe drainage and reduced consumption
- Boxes with dividers feature a lid with a numbered grid for superior inventory control
- Boxes without dividers can accommodate dividers (sold separately) for 16 to 100 places
- Dividers can fit in any 12.7x12.7cm (5x5") LN_2 cryogenic or mechanical freezer box

Dimensions, L x W x H, cm (in.)	No. of Places	Cat. No.	Price
Liquid Nitrogen Cryogenic Freezer Boxes with Drain Slots			
7 x 7 x 5.1 (2 3/4 x 2 3/4 x 2)	25	**82007-160**	Cs. 204/ **1110.78**
12.7 x 12.7 x 5.1 (5 x 5 x 2)	81	**97014-322**	Cs. 120/ **641.19**
12.7 x 12.7 x 5.1 (5 x 5 x 2)	100	**82007-158**	Cs. 120/ **659.26**
Mechanical Cryogenic Freezer Boxes			
12.7 x 12.7 x 5.1 (5 x 5 x 2)	–	**82021-114**	Pk. 12/ **42.88**
12.7 x 12.7 x 5.1 (5 x 5 x 2)	–	**82007-142**	Cs. 120/ **391.41**
12.7 x 12.7 x 5.1 (5 x 5 x 2)	81	**82007-162**	Cs. 120/ **446.45**
12.7 x 12.7 x 7.6 (5 x 5 x 3)	–	**82007-144**	Cs. 120/ **475.20**
Fiberboard Dividers			
12.7 x 12.7 x 2.5 (5 x 5 x 1)	16	**82021-118**	Pk. 12/ **23.53**
12.7 x 12.7 x 2.5 (5 x 5 x 1)	25	**82021-120**	Pk. 12/ **23.53**
12.7 x 12.7 x 2.5 (5 x 5 x 1)	49	**82021-122**	Pk. 12/ **23.53**
12.7 x 12.7 x 2.5 (5 x 5 x 1)	64	**82021-124**	Pk. 12/ **23.53**
12.7 x 12.7 x 2.5 (5 x 5 x 1)	81	**82021-126**	Pk. 12/ **23.53**
12.7 x 12.7 x 2.5 (5 x 5 x 1)	100	**82021-128**	Pk. 12/ **23.53**

VWR® CryoCoolers

- Cooler and lid are filled with nontoxic gel and feature a printed grid, keyed lid with locking handle, and nonskid feet
- Coolers hold 0.5 or 1.5mL microcentrifuge tubes at or below –20°C (–4°F) for up to one hour
- Use on the benchtop or for transport
- Wire handle secures top while carrying
- Store at –25°C (–13°F)



Capacity	Dimensions, L x W x D, cm (in.)	Cat. No.	Case of 8
12 Vials	15.2 x 10.2 x 10.2 (6 x 4 x 4)	**414004-286**	**680.46**
20 Vials	21.6 x 16.5 x 11.4 (8 1/2 x 6 1/2 x 4 1/2)	**414004-287**	**1161.81**
32 Vials	22.9 x 14 x 11.4 (9 x 5 1/2 x 4 1/2)	**414004-285**	**1360.91**

VWR® CryoCooler Freeze Controller

- Polycarbonate freeze controller provides the 1°C/min. cooling rate required for successful cell preservation
- Floating rigid insert helps prevent contamination
- Holds up to eighteen 1.2–2mL cryogenic vials



Description	Cat. No.	Each
CryoCooler	**414004-284**	**57.21**

Organize and Optimize your Laboratory Freezers



PolarSafe™ Metal Racks, Argos Technologies

- Constructed of high-quality, corrosion-resistant stainless steel
- Handles at both ends accommodate freezers with right- or left-handed doors
- For help finding the correct racks to fit your needs, go to **www.vwrsp.com/argosracks** and follow the prompts to configure your freezer

Capacity	For Use With	Dimensions, L x H x D, cm (in.)	Style	Cat. No.	Each
Upright Freezer Racks					
9	Standard 2" Boxes	41.9 x 18.1 x 14 (16 1/2 x 7 1/8 x 5 1/2)	Drawer	**89128-118**	**99.07**
9	Standard 2" Boxes	41.5 x 16.8 x 14 (16 5/16 x 6 5/8 x 5 1/2)	Side Access	**89128-102**	**66.01**
12	Standard 2" Boxes	41.9 x 24 x 14 (16 1/2 x 9 7/16 x 5 1/2)	Drawer	**89128-120**	**133.15**
12	Standard 2" Boxes	41.5 x 22.5 x 14 (16 5/16 x 8 7/8 x 5 1/2)	Side Access	**89128-104**	**74.32**
12	Standard 2" Boxes	55 x 16.8 x 14 (21 5/8 x 6 5/8 x 5 1/2)	Side Access	**89128-108**	**73.46**
12	Standard 2" Boxes	55.9 x 18.1 x 14 (22 x 7 1/8 x 5 1/2)	Drawer	**89128-122**	**133.17**
15	Standard 2" Boxes	41.5 x 28 x 14 (16 5/16 x 11 x 5 1/2)	Side Access	**89128-106**	**94.36**
16	Standard 2" Boxes	55.9 x 24 x 14 (22 x 9 7/16 x 5 1/2)	Drawer	**89128-124**	**175.23**
20	Standard 2" Boxes	55 x 28 x 14 (21 5/8 x 11 x 5 1/2)	Side Access	**89128-112**	**125.31**
20	Standard 2" Boxes	55.9 x 30 x 14 (22 x 11 13/16 x 5 1/2)	Drawer	**89128-126**	**220.51**
20	Standard 2" Boxes	67.9 x 22.5 x 14 (26 3/4 x 8 7/8 x 5 1/2)	Side Access	**89128-116**	**151.11**
24	Standard 2" Boxes	55 x 32.1 x 14 (21 5/8 x 12 5/8 x 5 1/2)	Side Access	**89128-114**	**181.10**
12	Standard 3" Boxes	55 x 23.8 x 14 (21 5/8 x 9 3/8 x 5 1/2)	Side Access	**89128-146**	**95.30**
12	Standard 3" Boxes	55.9 x 25.6 x 14 (22 x 10 1/16 x 5 1/2)	Drawer	**89128-148**	**135.60**
6	4 7/8" Boxes	46.4 x 25.9 x 14.9 (18 1/4 x 10 3/16 x 5 7/8)	Side Access	**89128-156**	**114.37**
8	4 7/8" Boxes	61.7 x 25.9 x 14.9 (24 5/16 x 10 3/16 x 5 7/8)	Side Access	**89128-158**	**151.90**
80	15 mL Centrifuge Tubes	55.9 x 12.6 x 14 (22 x 4 15/16 x 5 1/2)	Drawer	**89128-164**	**133.12**
120	15 mL Centrifuge Tubes	41.9 x 25.2 x 14 (16 1/2 x 9 15/16 x 5 1/2)	Drawer	**89128-166**	**159.48**
60	50 mL Centrifuge Tubes	41.9 x 25.2 x 14 (16 1/2 x 9 15/16 x 5 1/2)	Drawer	**89128-168**	**171.58**
78	50 mL Centrifuge Tubes	55.9 x 25.2 x 14 (22 x 9 15/16 x 5 1/2)	Drawer	**89128-170**	**199.70**
Chest Freezer Racks					
4	Standard 2" Boxes	22.4 x 14.3 x 14 (8 3/16 x 5 5/8 x 5 1/2)	Side Access	**89128-128**	**31.33**
6	Standard 2" Boxes	33.6 x 14.3 x 14 (13 1/4 x 5 5/8 x 5 1/2)	Side Access	**89128-130**	**45.93**
9	Standard 2" Boxes	50.3 x 14.3 x 14 (19 13/16 x 5 5/8 x 5 1/2)	Side Access	**89128-132**	**67.49**
10	Standard 2" Boxes	55.9 x 14.3 x 14 (22 x 5 5/8 x 5 1/2)	Side Access	**89128-134**	**76.16**
11	Standard 2" Boxes	61.5 x 14.3 x 14 (24 3/16 x 5 5/8 x 5 1/2)	Side Access	**89128-136**	**83.63**
12	Standard 2" Boxes	67 x 14.3 x 14 (26 3/8 x 5 5/8 x 5 1/2)	Side Access	**89128-138**	**91.38**
13	Standard 2" Boxes	71.7 x 14.3 x 14 (28 1/4 x 5 5/8 x 5 1/2)	Side Access	**89128-140**	**99.06**
5	4 7/8" Boxes	63.7 x 15.3 x 15.7 (25 1/16 x 6 x 6 3/16)	Side Access	**89128-160**	**73.67**
6	4 7/8" Boxes	76.4 x 15.3 x 15.7 (30 1/16 x 6 x 6 3/16)	Side Access	**89128-162**	**84.92**

FOCUS Information

Designed for upright and chest ultra-low temperature freezers, the extensive product range available in PolarSafe metal racks accommodates all types of sample containers including 5cm (2"), 7.6cm (3"), and 12.7cm (5") boxes, microtiter and deepwell plates, and 15 and 50mL centrifuge tubes.







VWR® CryoPro® Rack Systems, BR Series

- The perfect solution for medium to large storage needs
- Allows for quick and accurate inventorying and recovery of specimens
- BR-1 model can hold 25-cell cardboard or plastic boxes
- BR-2, -3, and -4 models can hold 100-cell cardboard or plastic boxes
- Rollerbases are available for safely moving full tanks
- BR-1 and BR-4 models include 7 racks; BR-2 and BR-3 models include 5 racks

Description	O.D. x H, cm (in.)	Liquid Nitrogen Capacity, L	Neck Diameter, cm (in.)	Static Evaporation Rate, L/Day	Cat. No.	Each
BR-1 Rack System	50.8 x 67.3 (20 x 26 1/2)	47	12.7 (5)	0.39	**55709-208**	**2965.07**
BR-2 Rack System	55.9 x 68 (22 x 26 3/4)	61	21.6 (8 1/2)	0.85	**55709-210**	**5051.47**
BR-3 Rack System	55.9 x 95 (22 x 37 3/8)	121	21.6 (8 1/2)	0.99	**55709-212**	**5819.81**
BR-4 Rack System	65.5 x 95 (26 3/16 x 37 3/8)	175	21.6 (8 1/2)	0.99	**55709-214**	**6556.92**



VWR® Freezer Racks

- Stainless steel racks feature handles for easy transport
- Three-shelf rack fits in upright freezers and holds one 7.6cm (3") box per shelf
- Four-shelf rack fits in chest freezers and holds one 5.1cm (2") box per shelf

Description	Cat. No.	Each
Three-Shelf Rack	**82024-518**	**125.02**
Four-Shelf Rack	**82024-520**	**139.09**

VWRCATALYST is an industry-specific, services and solutions provider for research and scientific labs, as well as high-tech production environments. For more than two decades, we have focused exclusively on providing excellence in services for your core business. Contact your VWR Sales Representative or call **1.888.793.2300** for more information on how we can help you run your business better.

VWRCATALYST™
Powering Productivity. Delivering Results.



VWR® CryoPro® Liquid Dewars, L Series

- Conveniently store and dispense large or small quantities of liquid nitrogen
- Customize to your specific application with accessories (available separately)

Description	O.D. x H, cm (in.)	Liquid Nitrogen Capacity, L	Neck Diameter cm (in.)	Static Evaporation Rate, L/Day	Weight Empty, kg (lbs.)	Weight Full, kg (lbs.)	Cat. No.	Each
L-4 Liquid Dewar	18.5 x 42.6 (7 1/4 x 16 3/4)	4	3.5 (1 3/8)	0.19	2.7 (6)	6 (13)	**82021-112**	**997.38**
L-5 Liquid Dewar	22.2 x 46.2 (8 3/4 x 18 3/16)	5	5.6 (2 3/16)	0.15	4 (8.8)	8 (17.6)	**55709-234**	**905.86**
L-10 Liquid Dewar	26 x 54.6 (10 1/4 x 21 1/2)	10	5.6 (2 3/16)	0.18	6 (13.2)	14 (30.9)	**55709-236**	**976.55**
L-20 Liquid Dewar	36.8 x 62.7 (14 1/2 x 24 11/16)	21	5.1 (2)	0.18	9 (19.8)	26 (57.3)	**55709-238**	**1224.33**
L-30 Liquid Dewar	43.2 x 61.1 (17 x 24)	32	6.4 (2 1/2)	0.22	12 (26.4)	38 (83.8)	**55709-240**	**1380.51**
L-50 Liquid Dewar	43.2 x 77.9 (17 x 30 11/16)	50	6.4 (2 1/2)	0.49	15 (33)	56 (123.5)	**55709-242**	**1830.27**



Nunc® Storage Cane, Thermo Scientific

- Made of aluminum

Description	Cat. No.	Case of 50
Storage Cane Holder	**24270-015**	**71.21**



Nalgene® Cryocane™ Holder, Thermo Scientific

- Firmly holds five 1.2–2.0mL cryogenic vials for storage in Dewar-type, liquid-nitrogen freezers
- After cooling vials to storage temperature, snap them into the cane end-to-end with vial marking area facing out
- Aluminum cane projects inward slightly to support the base of each vial
- Length: 29cm (11 5/16")

Description	Cat. No.	Case of 48
Cryocane Holder	**24270-020**	**68.50**



symphony™





VWR® symphony™ Ultra-Low Temperature Freezers

- Audible, visual, and mobile messaging alarm options available
- Vacuum thermal insulation technology increases storage space
- Four gasketed inner doors are standard, creating compartments that can be further subdivided with adjustable shelves
- Temperature range: –86 to –50°C (–123 to –58°F)
- Three-year warranty on parts and labor and a five-year warranty on the compressor
- UL and C-UL listed

Volume, L (cu. ft.)	Interior Dimensions, H x W x D, cm (in.)	Exterior Dimensions, H x W x D, cm (in.)	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
626 (22)	131 x 76 x 63 (51 1/2 x 30 x 24 13/16)	197 x 91 x 83.5 (77 1/2 x 35 13/16 x 33)	350 (772)	115V, 60 Hz	**414005-088**	**14,712.79**
626 (22)	131 x 76 x 63 (51 1/2 x 30 x 24 13/16)	197 x 91 x 83.5 (77 1/2 x 35 13/16 x 33)	350 (772)	220V, 60 Hz	**414005-087**	**14,712.79**
722 (25.4)	131 x 87 x 63 (51 1/2 x 34 1/4 x 24 13/16)	197 x 91 x 115 (77 1/2 x 35 13/16 x 45 1/8)	370 (816)	220V, 60 Hz	**414004-216**	**17,661.55**
810 (28.6)	131 x 87 x 71 (51 1/2 x 34 1/4 x 28)	198 x 114.6 x 98 (77 7/8 x 45 1/8 x 38 5/8)	380 (837)	220V, 60 Hz	**414004-658**	**19,005.88**

VWR Signature™ Ultra-Low Temperature Freezers

- Audible alerts to unsafe conditions
- Advanced microprocessor control to simplify programming, set-up, and monitoring
- Increased reserve of BTUH capacity for greater energy efficiency
- Automatic low voltage compensation minimizes wear on compressors
- Temperature range: –86 to –50°C (–123 to –58°F)

Volume, L (cu. ft.)	Interior Dimensions, H x W x D, cm (in.)	Exterior Dimensions, H x W x D, cm (in.)	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
Upright Freezers						
368 (13)	131 x 58 x 49 (51 1/2 x 23 x 19 5/16)	198 x 85 x 79 (78 x 33 1/2 x 31)	313 (690)	120V, 60 Hz	**14230-104**	**15,267.06**
490 (17.3)	131 x 58 x 64 (51 1/2 x 23 x 25 3/16)	198 x 85 x 94 (78 x 33 1/2 x 37)	358 (790)	120V, 60 Hz	**14230-106**	**15,672.71**
650 (23)	131 x 78 x 64 (51 1/2 x 30 3/4 x 25 3/16)	198 x 104 x 94 (78 x 41 x 37)	390 (860)	120V, 60 Hz	**53516-568**	**18,513.45**
793 (28)	131 x 93 x 69 (51 1/2 x 36 5/8 x 27 1/8)	198 x 119 x 94 (78 x 47 x 37)	445 (980)	230V, 50/60 Hz	**97014-798**	**21,786.72**
Chest Freezers						
85 (3)	42 x 47 x 47 (16 1/2 x 18 1/2 x 18 1/2)	111 x 72 x 73 (43 3/4 x 26 1/2 x 28 3/4)	159 (350)	120V, 60 Hz	**14230-112**	**10,374.83**
359 (12.7)	71 x 108 x 47 (28 x 43 1/2 x 18 1/2)	103 x 183 x 73 (40 1/2 x 72 x 28 3/4)	338 (745)	120V, 60 Hz	**14230-122**	**14,336.11**
566 (20)	71 x 169 x 47 (28 x 66 1/2 x 18 1/2)	103 x 244 x 73 (40 1/2 x 96 x 28 3/4)	386 (852)	120V, 60 Hz	**14230-130**	**14,984.54**



FOCUS Information

New Brunswick Scientific's Ultra-Low Temperature lab freezers were specifically designed with energy efficiency in mind. Our Innova® models feature a specialized low temperature seal on inner and outer doors to form an impenetrable barrier keeping cold air in. By reducing energy consumption, these eco-friendly freezers not only save money, but they will significantly reduce your lab's carbon footprint. By selecting a New Brunswick freezer over a competitive unit, you can save on average 27.9 TONS of CO_2 from entering the atmosphere over the lifetime of the unit. In comparison, when you switch from halogen light bulbs to compact fluorescent bulbs, you save 100 pounds of CO_2 per year per bulb. Not only are you helping save the environment, but you are also reducing your operation costs on average by $6,520 per freezer during its lifetime.



New Brunswick™
an eppendorf company

epGreen®

Ultra-Low Temperature Freezers, New Brunswick Scientific

Go Green and Save Green with New Brunswick Ultra-Low Temperature Freezers

- Consume roughly half the power over competitors' freezers of similar sizes
- Heavy-duty compressors reduce cycle times
- Single, eco-friendly fan improves energy savings and reduces overall noise output
- Freezers are 95% recyclable by weight

Volume, L (cu. ft.)	Interior Dimensions, H x W x D, cm (in.)	Exterior Dimensions, H x W x D, cm (in.)	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
Premium Upright						
410 (14.5)	126.5 x 55 x 57.5 (49 13/16 x 21 3/4 x 22 5/8)	191.5 x 80 x 85.2 (75 3/8 x 31 1/2 x 33 1/2)	235 (518)	120V, 60Hz	**97048-912**	**12,150.00**
410 (14.5)	126.5 x 55 x 57.5 (49 13/16 x 21 3/4 x 22 5/8)	191.5 x 80 x 85.2 (75 3/8 x 31 1/2 x 33 1/2)	235 (518)	220V, 60Hz	**97048-914**	**12,150.00**
570 (20)	126.5 x 76.5 x 57.5 (49 13/16 x 30 1/8 x 22 5/8)	192.5 x 102.5 x 85.2 (75 13/16 x 40 3/8 x 33 1/2)	265 (584)	120V, 60Hz	**97048-916**	**13,940.00**
570 (20)	126.5 x 76.5 x 57.5 (49 13/16 x 30 1/8 x 22 5/8)	192.5 x 102.5 x 85.2 (75 13/16 x 40 3/8 x 33 1/2)	265 (584)	220V, 60Hz	**97048-918**	**13,940.00**
700 (25)	129.5 x 85.3 x 60.3 (51 13/16 x 34 1/8 x 24 1/8)	192.75 x 110.25 x 85.75 (77 1/8 x 44 1/8 x 34 5/16)	372 (820)	120V, 60Hz	**89166-474**	**15,740.00**
700 (25)	129.5 x 85.3 x 60.3 (51 13/16 x 34 1/8 x 24 1/8)	192.75 x 110.25 x 85.75 (77 1/8 x 44 1/8 x 34 5/16)	372 (820)	220V, 60Hz	**89166-476**	**15,740.00**
Premium Chest						
340 (12)	76 x 76 x 59 (29 7/8 x 29 7/8 x 23 1/4)	107.5 x 134 x 84 (42 5/16 x 52 13/16 x 33 1/8)	200 (441)	120V, 60Hz	**97048-920**	**11,350.00**
660 (23.3)	76 x 147 x 59 (29 7/8 x 57 7/8 x 23 1/4)	107.5 x 205 x 84 (42 5/16 x 80 3/4 x 33 1/8)	280 (617)	208-220V, 60Hz	**97048-922**	**14,980.00**
Innova Upright						
101 (3.6)	64 x 48 x 33 (25 1/4 x 18 7/8 x 12 7/8)	83 x 90 x 56.6 (32 3/4 x 35 3/8 x 22 5/16)	116 (256)	120V, 60Hz	**97048-896**	**10,220.00**
360 (12.7)	136.5 x 44 x 61.5 (53 3/4 x 17 5/16 x 24 1/4)	195 x 60 x 86.7 (76 13/16 x 26 3/8 x 34 1/8)	270 (595)	120V, 60Hz	**97048-898**	**13,890.00**
535 (18.9)	136.5 x 64 x 61.5 (53 3/4 x 25 1/4 x 24 1/8)	195 x 80 x 86.7 (76 13/16 x 31 1/2 x 34 1/8)	250 (551)	120V, 60Hz	**97048-900**	**15,130.00**
535 (18.9)	136.5 x 64 x 61.5 (53 3/4 x 25 1/4 x 24 1/8)	195 x 80 x 86.7 (76 13/16 x 31 1/2 x 34 1/8)	250 (551)	208-220V, 60Hz	**97048-902**	**15,130.00**
725 (25.6)	136.5 x 86.5 x 61.5 (53 3/4 x 34 1/8 x 24 1/4)	195 x 102.5 x 86.7 (76 13/16 x 40 3/8 x 31 1/8)	315 (694)	208-220V, 60Hz	**97048-904**	**17,260.00**
Innova Chest						
585 (20.7)	78 x 120 x 62.5 (30 3/4 x 47 1/4 x 24 5/8)	109.2 x 169 x 78.5 (43 x 66 1/2 x 30 7/8)	240 (529)	120V, 60Hz	**97048-906**	**15,690.00**
585 (20.7)	78 x 120 x 62.5 (30 3/4 x 47 1/4 x 24 5/8)	109.2 x 169 x 78.5 (43 x 66 1/2 x 30 7/8)	240 (529)	208-220V, 60Hz	**97048-908**	**15,690.00**
760 (26.9)	78 x 156 x 62.5 (30 3/4 x 61 3/8 x 24 5/8)	109.2 x 205 x 78.5 (43 x 80 3/4 x 30 3/4)	285 (628)	208-220V, 60Hz	**97048-910**	**17,640.00**



Introducing Thermo Scientific Revco UxF Series Ultra-Low Temperature Freezers

- Outstanding Performance: An outstanding BTU reserve leads to fast temperature recovery after door openings so sample integrity isn't compromised
- Energy-Efficient: The Revco UxF Series' energy-savings mode saves you up to 15% on energy costs*, or you can choose the high-performance mode for applications requiring ultra-tight temperature uniformity and peak variation
- Safe and Secure: An innovative, touch-screen control panel allows you to monitor the freezer 24/7, set preferences, and access a detailed event log; event logs can also be downloaded via the built-in USB port
- Expansive Storage Capacity: Maximize sample storage capacity with the ability to store up to 70,000 2mL vials or 118,300 1mL vials without using a larger footprint
- Solid Construction: Five polystyrene insulated inner doors with embedded rare earth magnets maintain cabinet temperature when the freezer is opened; reinforced stainless steel shelves support up to 275 lbs. of cargo (depending on model); and the 4x7 heated outer door gasket provides four points of contact with seven zones of protection
- Temperature Range: –86 to –50°C (–123 to –58°F)

*Compared to high-performance mode.

FOCUS Information

Built specifically to protect the most critical of samples, Thermo Scientific Revco UxF ultra-low temperature freezers achieve outstanding thermal performance, safety, and security through state-of-the-art engineering.

Thermo SCIENTIFIC

Volume, L (cu. ft.)	Cryobox Capacity	Max. Shelf Weight, kg (lbs.)	Interior Dimensions, H x W x D, cm (in.)	Exterior Dimensions, H x W x D, cm (in.)	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
420.9 (14.9)	300	56.8 (125)	130.1 x 45.2 x 71.9 (51 1/4 x 17 3/4 x 28 5/16)	198.1 x 68.6 x 95.5 (78 x 27 x 37 5/8)	303 (667)	115V, 60Hz, 16/20A	**89194-946**	**13,800.00**
420.9 (14.9)	300	56.8 (125)	130.1 x 45.2 x 71.9 (51 1/4 x 17 3/4 x 28 5/16)	198.1 x 68.6 x 95.5 (78 x 27 x 37 5/8)	303 (667)	208-230V, 60Hz, 12/15A	**89194-948**	**13,800.00**
547.9 (19.4)	400	73.4 (165)	130.1 x 58.7 x 71.9 (51 1/4 x 23 1/8 x 28 5/16)	198.1 x 82.2 x 95.5 (78 x 32 3/8 x 37 5/8)	332 (730)	115V, 60Hz, 16/20A	**89194-952**	**15,600.00**
547.9 (19.4)	400	73.4 (165)	130.1 x 58.7 x 71.9 (51 1/4 x 23 1/8 x 28 5/16)	198.1 x 82.2 x 95.5 (78 x 32 3/8 x 37 5/8)	332 (730)	208-230V, 60Hz, 12/15A	**89194-954**	**15,600.00**
681.5 (24.1)	500	91.7 (205)	130.1 x 73.0 x 71.9 (51 1/4 x 28 3/4 x 28 5/16)	198.1 x 96.5 x 95.5 (78 x 38 x 37 5/8)	355 (782)	115V, 60Hz, 16/20A	**89194-958**	**16,800.00**
681.5 (24.1)	500	91.7 (205)	130.1 x 73.0 x 71.9 (51 1/4 x 28 3/4 x 28 5/16)	198.1 x 96.5 x 95.5 (78 x 38 x 37 5/8)	355 (782)	208-230V, 60Hz, 12/15A	**89194-960**	**16,800.00**
815.1 (28.8)	600	110.1 (245)	130.1 x 87.3 x 71.9 (51 1/4 x 34 3/8 x 28 5/16)	198.1 x 110.8 x 95.5 (78 x 43 5/8 x 37 5/8)	388 (854)	115V, 60Hz, 16/20A	**89194-964**	**18,000.00**
815.1 (28.8)	600	110.1 (245)	130.1 x 87.3 x 71.9 (51 1/4 x 34 3/8 x 28 5/16)	198.1 x 110.8 x 95.5 (78 x 43 5/8 x 37 5/8)	388 (854)	208-230V, 60Hz, 12/15A	**89194-966**	**18,000.00**
948.7 (33.5)	700	128.4 (285)	130.1 x 101.6 x 71.9 (51 1/4 x 40 x 28 5/16)	198.1 x 125.1 x 95.5 (78 x 49 3/16 x 37 5/8)	432 (951)	208-230V, 60Hz, 16/20A	**89194-970**	**19,100.00**



VWR® Explosion-Proof and Flammable Material Storage Refrigerators, Freezers, and Combination Units

- Feature a spark-proof, corrosion-resistant interior with steel encased electrical components
- Adjustable temperature controls are mounted externally
- Non-sparking magnetic door gaskets create a positive seal
- Meet OSHA and NFPA safety requirements
- Explosion-proof models must be hard-wired at installation
- For additional sizes, please contact your VWR Sales Representative

Description	Volume, L (cu.ft.)	Exterior Dimensions, H x W x D, cm (in.)	Temperature Range˚, C (°F)	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
Freezers Only							
Explosion-Proof	142 (5)	85 x 53.3 x 75.6 (33 1/2 x 21 x 29 3/4)	–20 to –12 (–4 to 10)	38.1 (84)	115V, 60Hz, 1.1A	**55703-512**	**2713.63**
Flammable	142 (5)	85 x 53.3 x 79.4 (33 1/2 x 21 x 31 1/4)	–20 to –12 (–4 to 10)	38.1 (84)	115V, 60Hz, 1.1A	**55703-514**	**2096.89**
Combination Units							
Explosion-Proof	286 (10)	152.4 x 59.7 x 80 (60 x 23 1/2 x 31 1/2)	–20 to –12/1 to 12 (–4 to 10/34 to 54)	68 (150)	120V, 60Hz, 2.1A	**47747-226**	**4648.70**
Explosion-Proof	286 (10)	152.4 x 59.7 x 80 (60 x 23 1/2 x 31 1/2)	–20 to –12/1 to 12 (–4 to 10/34 to 54)	68 (150)	240V, 50Hz, 1.5A	**47747-228**	**5877.64**
Flammable	164 (5 3/4)	85.7 x 54.3 x 73.7 (33 3/4 x 21 3/8 x 29)	–20 to –12/1 to 12 (–4 to 10/34 to 54)	47 (105)	120V, 60Hz, 1.1A	**55703-134**	**3559.63**
Flammable	286 (10)	152.4 x 59.7 x 76.2 (60 x 23 1/2 x 30)	–20 to –12/1 to 8 (–4 to 10/34 to 46)	68 (150)	120V, 60Hz, 2.1A	**47747-222**	**4187.86**
Flammable	286 (10)	152.4 x 59.7 x 76.2 (60 x 23 1/2 x 30)	–20 to –12/1 to 8 (–4 to 10/34 to 46)	68 (150)	240V, 50Hz, 1.5A	**47747-224**	**5221.60**
Refrigerators Only							
Flammable	368 (13)	185.4 x 59.7 x 59.7 (73 x 23 1/2 x 23 1/2)	2 to 10 (36 to 50)	100 (220)	120V, 60Hz, 1.4A	**55700-368**	**3737.29**

VWR® Critical Storage Undercounter Laboratory Refrigerator and Freezer

- Door-mounted microprocessor controller and interior forced-air circulation offer exceptional temperature control
- Digital temperature input allows flexibility; controlled lockout prevents tampering
- Alarm monitors critical variances and can be connected to a central alarm system
- Refrigerator features adjustable wire shelves; freezer features fixed evaporator shelves
- Meet JCAHO standards

Volume, L (cu. ft.)	No. of Shelves	Temperature Range, ˚C (˚F)	Cat. No.	Each
Refrigerator				
173 (6)	3	1 to 14 (34 to 57)	**89031-974**	**2444.00**
Freezer				
153 (5 2/5)	2	–20 to –15 (–4 to 5)	**89031-976**	**2444.00**



FOCUS Information

These undercounter refrigerator and freezer units are designed to meet the demanding standards of clinical, life science, pharmaceutical, biotechnology, and industrial applications. A built-in, front-breather condenser allows units to be placed under bench or countertop and requires no additional clearance from the top, back, or sides of the cabinet. These compact units may also be left free-standing, placed side by side, or securely stacked to create a combination refrigerator/freezer.

FOCUS Information

Achieve the most precise temperature control with manual defrost combined with a microprocessor temperature controller. These two features work together to eliminate temperature spikes to keep freezer contents from being damaged.



symphony™

VWR® symphony™ Laboratory Freezer

- Microprocessor temperature controller with digital display allows precise temperature adjustment, maintenance, and recovery
- Manual defrost eliminates temperature spikes common with auto defrost cycles
- Five insulating inner doors help prevent temperature changes when the main door is opened
- Solution bottle is installed to provide accurate indication of sample temperatures
- Features an extensive temperature security package, including remote alarm connection to a central alarm system or phone dialers
- Electrical: 115V, 60 Hz

Volume, L (cu. ft.)	Exterior Dimensions, H x W x D, cm (in.)	Average Temperature Control °C (°F)	Shipping Weight, kg (lbs.)	Cat. No.	Each
566 (20)	178 x 81 x 74 (70 x 32 x 29)	–20 (–4)	161 (355)	**97025-008**	**5615.91**
566 (20)	178 x 81 x 74 (70 x 32 x 29)	–30 (–22)	161 (355)	**97055-706**	**6377.98**
849.5 (30)	205.7 x 88.9 x 81.3 (81 x 35 x 32)	–20 (–4)	181.4 (400)	**97043-516**	**8134.07**
849.5 (30)	205.7 x 88.9 x 81.3 (81 x 35 x 32)	–30 (–22)	181.4 (400)	**97055-704**	**10053.14**

VWR® Storage Refrigerators with Stainless Steel Doors, 1 to 4°C



- Oversized and powerful refrigeration systems have large evaporators and condensers, as well as 1.3cm (½") evaporator coils for fast cooling
- Interiors feature white, acrylic anodized aluminum interior walls for a bright, sanitary appearance
- 300-series stainless steel doors, floors, and an anodized aluminum cabinet provide maximum reliability and long life
- Feature casters, door locks, an exterior-mounted dial thermometer and three fully adjustable shelves behind each door
- Use environmentally friendly, CFC-free insulation and refrigerant
- UL listed, CSA certified; NSF approved

Volume, L (cu. ft.)	Interior Dimensions, H x W x D, cm (in.)	Exterior Dimensions*, H x W x D, cm (in.)	No. of Doors	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
651 (23)	156.2 x 61 x 68.6 (61 1/2 x 24 x 27)	198.8 x 68.6 x 75 (78 1/4 x 27 x 29 1/2)	1	115 (254)	115V, 60Hz, 8A	**55702-528**	**6152.84**
1387 (49)	155.5 x 129 x 62 (61 1/4 x 50 3/4 x 24 1/2)	198.8 x 137 x 75 (78 1/4 x 54 x 29 1/2)	2	186 (410)	115V, 60Hz, 10A	**55702-530**	**8109.94**
2038 (72)	156 x 190.5 x 68.6 (61 1/2 x 75 x 27)	201 x 198 x 75 (79 1/4 x 78 x 29 1/2)	3	261 (576)	115V, 60Hz, 15A	**55702-532**	**10,871.74**

*Excluding 12.7 cm (5") casters

VWR® Storage Refrigerators with Glass Doors, 3 to 5°C



- Feature self-closing, high-efficiency low-E (low-emissivity) glass swinging doors and high-density, energy-efficient foam insulation
- Equipped with 1.3cm (½") evaporator coils for fast cooling
- Interiors feature white, acrylic anodized aluminum interior walls for a bright, sanitary appearance
- Supplied with four fully adjustable shelves behind each door
- Use environmentally friendly, CFC-free insulation and refrigerant
- UL listed, CSA certified; NSF approved

Volume, L (cu. ft.)	Interior Dimensions, H x W x D, cm (in.)	Exterior Dimensions, H x W x D, cm (in.)	No. of Doors	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
651 (23)	156 x 61 x 68.6 (61 1/2 x 24 x 27)	198.8 x 68.6 x 75 (78 1/4 x 27 x 29 1/2)	1	141.5 (312)	115V, 60Hz, 8A	**55702-522**	**4788.16**
1387 (49)	155.5 x 129 x 62 (61 1/4 x 50 3/4 x 24 1/2)	198.8 x 137 x 75 (78 1/4 x 54 x 29 1/2)	2	214 (472)	115V, 60Hz, 10A	**55702-524**	**7511.97**
2038 (72)	156 x 190.5 x 68.6 (61 1/2 x 75 x 27)	201 x 198 x 75 (79 1/4 x 78 x 29 1/2)	3	299 (660)	115V, 60Hz, 15A	**55702-526**	**9819.99**

FOCUS Information

VWR® symphony™ Laboratory units feature a microprocessor temperature controller and digital temperature display backed up by an audible and visual alarm package to help ensure the temperature stability and safety of samples and supplies.
The Laboratory Series, featuring a microprocessor temperature controller allows for precise temperature control, recovery, and maintenance versus mechanical dial thermostats. Critical samples and supplies are backed with an extensive package of temperature security and alarm features. In addition, a large digital display and solution bottle are installed to provide an indication of sample temperatures.





symphony™

VWR® symphony™ Laboratory Refrigerators with Glass Doors, 1 to 10°C

- Cycle preset to maintain an average temperature of 4°C (39.2°F)
- Temporary muting feature with intermittent chirp reminder
- Sensor error warning
- Remote alarm contacts with adjustable delay simplify connection to central alarm systems and phone dialers
- Supplied with 10.2cm (4") swivel casters
- Two-year parts and labor warranty

Volume, L (cu. ft.)	Exterior Dimensions, H x W x D, cm (in.)	Door Type	No. of Shelves	Shipping Weight, kg (lbs.)	Electrical	Cat. No.	Each
736 (26)	201 x 76 x 76 (79 x 30 x 30)	1 Swinging	4	178 (393)	115V, 60Hz, 8A	**97025-000**	**6824.09**
850 (30)	201 x 94 x 79 (79 x 37 x 31)	1 Swinging	5	223 (492)	115V, 60Hz, 9A	**97055-696**	**7814.04**
934 (33)	201 x 102 x 76 (79 x 40 x 30)	2 Sliding	8	201 (444)	115V, 60Hz, 9A	**97025-002**	**8566.84**
1331 (47)	201 x 137 x 76 (79 x 54 x 30)	2 Sliding	8	246 (543)	115V, 60Hz, 11A	**97025-004**	**9841.85**
1388 (49)	201 x 137 x 76 (79 x 54 x 30)	2 Swinging	8	263 (580)	115V, 60Hz, 11A	**97025-006**	**9901.87**
1954 (69)	203 x 201 x 76 (80 x 79 x 30)	3 Sliding	12	306 (675)	115V, 60Hz, 12A	**97055-716**	**12,185.72**
2039 (72)	203 x 201 x 76 (80 x 79 x 30)	3 Swinging	12	309 (680)	115V, 60Hz, 12A	**97055-712**	**13,340.47**

Accessories

Description	Cat. No.	Each
Circular Chart Recorder, Factory Installed, 4", Seven Day	**97025-046**	**1930.29**
Keyed Door Lock, Single Door	**97025-048**	**197.80**
Keyed Door Lock, Double (Swing) Door	**97025-050**	**197.80**
Keyed Door Lock, Double (Slide) Door	**97025-052**	**197.80**

THE ESSENTIALS
of Sample Collection and Storage

VWR LIT LIBRARY
c/o Archway
20770 Westwood Drive
Strongsville, OH 44149

Forwarding Service Requested

VWR
1.800.932.5000 vwr.com

ATTN:
MAILROOM:
If addressee is no longer with the organization, please deliver to laboratory products buyer.
Thank you.

Prices, product appearance, and specifications are current at the time of printing, subject to change without notice. Availability for certain products may be limited by federal, state, provincial, or local licensing requirements. VWR makes no claims or warranties concerning sustainable/green products. Any claims concerning sustainable/green products are the sole claims of the manufacturer and not those of VWR International, LLC. All prices are in U.S. dollars unless otherwise noted. Offers valid in USA and Canada, void where prohibited by law or company policy, while supplies last. Visit vwr.com to view our privacy policy and additional disclaimers.

VWR, forms of VWR, and the VWR logo and/or design are either registered trademarks ®, trademarks ™, or service marks ℠ of VWR International, LLC in the United States and/or other countries. All other marks referenced herein are registered trademarks, trademarks, or service marks of their respective owner(s). For a complete list of trademark owners please visit vwr.com.

©2011 VWR International, LLC. All rights reserved.

0911 25M Lit. No. 92911

VWRCATALYST™

The New Gold Standard in Services



VWR has a 150-year history of providing quality services to customers. While our focus has changed to meet the evolving needs of science, our commitment has remained constant: We create opportunities to decrease costs, improve productivity, and add value to your business.



Today, we focus on LEAN process business consulting, validation, calibration, asset management, and a diverse range of on- and off-site services. And unlike most service providers, **VWR**CATALYST takes a flexible approach to the needs of scientific laboratories and high-tech production environments.



Site Services

With our full spectrum of on- and off-site services, **VWR**CATALYST provides an environment where you can focus on your core business. We can create a custom services package for all of your non-core, but essential tasks. Our Site Services include:

- Chemical Tracking & Management
- Media & Buffer Preparation
- Inventory Management
- Laboratory, Production, and Facility Support Services and Logistics
- Environmental, Health, and Safety Services
- Sourcing, Procurement, and Supply Chain Management

Equipment & Instrument Services

These services allow you to use all of your lab equipment without having to worry about it. Our comprehensive Equipment Management Program offers a multitude of technical services, including complete validation services (IQ, OQ, and PQ protocol development and execution), calibration, and asset management.

For more information, call 1.888.793.2300 or e-mail VWRCATALYST@vwr.com

VWRCATALYST™
Powering Productivity. Delivering Results.