

Diamond RealSeal[™] Plastic Laboratory Bottles, Carboys, and Jerricans

Engineered to meet the
requirements of the most
demanding applications.



Diamond® RealSeal™ Plastic Laboratory Bottles

Diamond® RealSeal™ Plastic Laboratory Bottles from Globe Scientific meet the requirements of the most demanding applications. Rugged and durable, these bottles are a safe, shatterproof alternative to glass bottles for collection, storage, or shipping of samples, media, and reagents.

Diamond® RealSeal™ Laboratory bottles are precision molded from virgin resins for consistent wall thickness and smooth interior and exterior surfaces. The bottles include leak-proof polypropylene caps that are engineered with an integrated seal ring for leak-proof closure. Linerless caps reduce the contamination risk associated with liners. RealSeal™ bottles and caps employ top quality, semi-buttressed threads with straight shoulders that outperform inferior bottles with round threads. These leak-proof bottles are designed and tested to withstand the highest pressure thresholds in the industry.

The Diamond® RealSeal™ Difference:

Medical Grade Resins to Meet Demanding Requirements

- USP Class VI for pharma and research applications
- FDA CFR-21 compliant for food contact
- Free of heavy metals and RoHS compliant
- BPA and phthalate free

Precision Molded for Consistent Wall Thickness and Smooth Surfaces

- Improves bottle and seal integrity
- Reduces content “hang-up”
- Manufactured in an ISO 13485 and ISO 9001 certified facility

Leakproof, Linerless Caps for Secure Closure

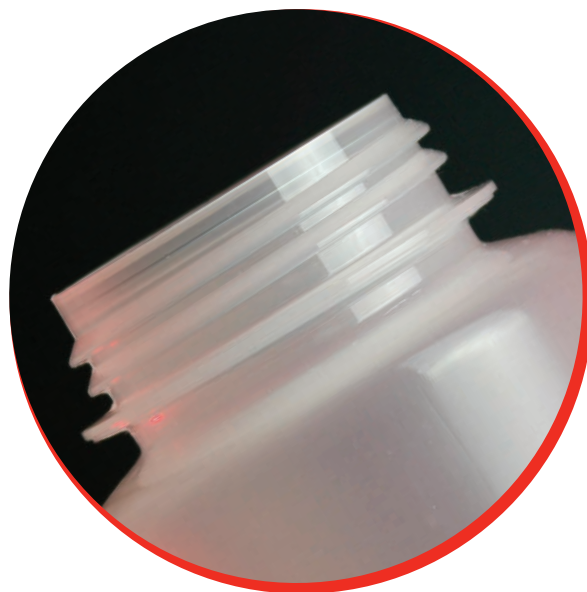
- Integrated seal ring molded in cap to prevent leaks
- Linerless cap design to reduce contamination risks associated with liners: wrinkles, tears, wear, corrosion, reaction and leakage

Value

- Laboratory bottle quality and performance with savings associated with “economy” bottles
- Reduced shipping costs compared to glass bottles

Safety/Convenience

- Safe, shatter-resistant alternative to glass bottles
- Lighter than glass for improved handling



Diamond® RealSeal™ bottles and caps are designed with semi-buttressed threads for superior performance compared to round threads found on inferior bottles.

Diamond® RealSeal™ Leak Testing Protocol

Standard leak testing of Diamond® RealSeal™ bottles is performed with water.*

Leak testing and “Leak proof” designation for bottles up to 1000mL:

- Bottles are filled to 80% of nominal capacity, closed per minimum torque requirement
- Inverted bottles are subjected to pressure test of 85kPa and inspected for leakage.

NOTE: This test protocol applies more than 5x the pressure used by competitors to claim “leak proof” closures.

Leak testing and “Leak proof” designation for bottles, carboys and jerricans above 1000mL:

- Bottles are filled to 80% of nominal capacity, closed per minimum torque requirements
- Bottles are inverted and inspected for leakage
- Bottles are partially inverted with water in contact with closure for 24 hours and are inspected for leakage

***NOTE:** Testing with other liquids may yield different results.

Application Torques

	Bottle Capacity (mL)	Neck Finish (mm)	Minimum Torque (in-lb)	Maximum Torque (in-lb)
Wide Mouth				
	30	28-415	15.6	21.7
	60	28-415	15.6	21.7
	125	38-415	21.7	30.4
	250	43-415	27.8	38.2
	500	53-415	33	45.1
	1000 HDPE/LDPE	63-415	40	55.5
	1000 PP	63-415	50	55.5
Narrow Mouth				
	30	20-415	9.5	13.9
	60	20-415	9.5	13.9
	125	24-415	11.3	16.5
	250	24-415	11.3	16.5
	500	28-415	15.6	21.7
	1000	38-430	26.9	33
Rectangular				
	125	28-415	15.6	21.7
	250	38-415	21.7	30.4
	500	48-415	29.5	41.6
	1000	53-415	33	45.1
Large Format Wide Mouth				
	2000 Round	100-415	46.8	64.2
	2000 Rectangular	63-415	50	55.5
	4000 Round	100-415	46.8	64.2
	4000 Rectangular	100-415	46.8	64.2
Large Format Narrow Mouth				
	2L	38-430	26.9	33
	4L	38-430	26.9	33
	8L	53T	37.3	52



Diamond® RealSeal™

WIDE MOUTH BOTTLES

Wide mouth bottles are perfect for sample collection and facilitate the rapid filling and emptying of solids, powders, and viscous liquids.



High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7010030	30mL	28mm	21mm	36mm	63mm	12 & 72
7010060	60mL	28mm	21mm	39mm	85mm	12 & 72
7010125	125mL	38mm	28mm	50mm	99mm	12 & 72
7010250	250mL	43mm	33mm	61mm	133mm	12 & 72
7010500	500mL	53mm	44mm	73mm	170mm	12 & 48
7011000	1000mL	63mm	53mm	91mm	199mm	6 & 24

Polypropylene (PP)

- Suitable for autoclaving at 121°C
- Improved chemical resistance and clarity
- Resistant to most corrosives and suitable for a wide variety of laboratory uses
- Approved for use from -40 to 121°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7000030	30mL	28mm	21mm	36mm	63mm	12 & 72
7000060	60mL	28mm	21mm	39mm	85mm	12 & 72
7000125	125mL	38mm	28mm	50mm	99mm	12 & 72
7000250	250mL	43mm	33mm	61mm	133mm	12 & 72
7000500	500mL	53mm	44mm	73mm	170mm	12 & 48
7001000	1000mL	63mm	53mm	91mm	199mm	6 & 24

Low-Density Polyethylene (LDPE)

- Better clarity than HDPE
- Flexible with excellent impact resistance

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7020030	30mL	28mm	21mm	36mm	63mm	12 & 72
7020060	60mL	28mm	21mm	39mm	85mm	12 & 72
7020125	125mL	38mm	28mm	50mm	99mm	12 & 72
7020250	250mL	43mm	33mm	61mm	133mm	12 & 72
7020500	500mL	53mm	44mm	73mm	170mm	12 & 48
7021000	1000mL	63mm	53mm	91mm	199mm	6 & 24



Diamond® RealSeal™

NARROW MOUTH BOTTLES

Narrow mouth bottles improve pouring of liquid contents making them perfect for storing and shipping liquids.



High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7060030	30mL	20mm	14mm	36mm	62mm	12 & 72
7060060	60mL	20mm	14mm	41mm	85mm	12 & 72
7060125	125mL	24mm	18mm	51mm	99mm	12 & 72
7060250	250mL	24mm	18mm	61mm	133mm	12 & 72
7060500	500mL	28mm	21mm	73mm	170mm	12 & 48
7061000	1000mL	38mm	28mm	92mm	216mm	6 & 24

Polypropylene (PP)

- Suitable for autoclaving at 121°C
- Improved chemical resistance and clarity
- Resistant to most corrosives and suitable for a wide variety of laboratory uses
- Approved for use from -40 to 121°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7050030	30mL	20mm	14mm	36mm	62mm	12 & 72
7050060	60mL	20mm	14mm	41mm	85mm	12 & 72
7050125	125mL	24mm	18mm	51mm	99mm	12 & 72
7050250	250mL	24mm	18mm	61mm	133mm	12 & 72
7050500	500mL	28mm	21mm	73mm	170mm	12 & 48
7051000	1000mL	38mm	28mm	92mm	216mm	6 & 24

Low-Density Polyethylene (LDPE)

- Better clarity than HDPE
- Flexible with excellent impact resistance

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7070030	30mL	20mm	14mm	36mm	62mm	12 & 72
7070060	60mL	20mm	14mm	41mm	85mm	12 & 72
7070125	125mL	24mm	18mm	51mm	99mm	12 & 72
7070250	250mL	24mm	18mm	61mm	133mm	12 & 72
7070500	500mL	28mm	21mm	73mm	170mm	12 & 48
7071000	1000mL	38mm	28mm	92mm	216mm	6 & 24



Diamond® RealSeal™

LARGE FORMAT WIDE MOUTH BOTTLES

Select large format wide mouth bottles (2L round and rectangular, 4L round and 4L square) include a strong, integrated easy-grip handle for safe and convenient pouring of contents.

- Wide mouth provides easy filling and access to bulk reagents and large samples
- Ideal for storage and sterilization of bulk reagents, contaminated slides, or other small laboratory items



High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims	Height w/Cap	Units
7012000	2L Round	100mm	90mm	119mm Dia.	245mm	EA & 6
7102000	2L Rect.	63mm	52mm	150 x 97mm	237mm	4 & 12
7174000	4L Round	100mm	86mm	163mm Dia.	302mm	EA & 6
7184000	4L Square	100mm	87.5mm	148mm Sq.	297mm	EA & 6

Polypropylene (PP)

- Suitable for autoclaving at 121°C
- Improved chemical resistance and clarity
- Resistant to most corrosives and suitable for a wide variety of laboratory uses
- Approved for use from -40 to 121°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims	Height w/Cap	Units
7002000	2L Round	100mm	90mm	119mm Dia.	245mm	EA & 6
7154000	4L Round	100mm	86mm	163mm Dia.	302mm	EA & 6
7164000	4L Square	100mm	87.5mm	148mm Sq.	297mm	EA & 6



Low-Density Polyethylene (LDPE)

- Better clarity than HDPE
- Flexible with excellent impact resistance
- Suitable for freezer storage down to -100°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7022000	2L Round	100mm	90mm	118mm	245mm	EA & 6

Amber High-Density Polyethylene (HDPE)

- Reduces UV Light transmission to protect light sensitive contents during storage and transport
- Complies with US Pharmacopeia requirements for maximum light transmission

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7012000AM	2L Round	100mm	90mm	118mm	245mm	EA & 6



Diamond® RealSeal™

LARGE FORMAT NARROW MOUTH BOTTLES

- Narrow mouth bottles improve pouring of liquid contents making them perfect for collecting and storing liquids
- 4 Liter and 8 Liter bottles have an integrated shoulder loop for attaching an I.D. tag



Polypropylene (PP)

- Suitable for autoclaving at 121°C
- Improved chemical resistance and clarity
- Resistant to most corrosives and suitable for a wide variety of laboratory uses
- Amber polypropylene bottles reduce UV Light transmission to protect light sensitive contents during storage and transport
- Amber bottles comply with US Pharmacopeia requirements for maximum light transmission

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7052000	2L	38mm	27mm	118mm	252mm	EA & 6
7054000	4L	38mm	26mm	154mm	340mm	EA & 6
7058000	8L	53mm	39mm	195mm	415mm	EA & 6

AMBER

7052000AM	2L	38mm	27mm	118mm	252mm	EA & 6
7054000AM	4L	38mm	26mm	154mm	340mm	EA & 6
7058000AM	8L	53mm	39mm	195mm	415mm	EA & 6

Low-Density Polyethylene (LDPE)

- Better clarity than HDPE
- Flexible with excellent impact resistance
- Suitable for freezer storage down to -100° C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7072000	2L	38mm	27mm	118mm	252mm	EA & 6
7074000	4L	38mm	26mm	154mm	340mm	EA & 6
7078000	8L	53mm	39mm	195mm	415mm	EA & 6



RECTANGULAR BOTTLES

Rectangular bottles store and pack efficiently to maximize space utilization.



High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Dimensions w/Cap (L x W x H)	Units
7100125	125mL	28mm	21mm	59 x 40 x 99mm	12 & 72
7100250	250mL	38mm	28mm	75 x 52 x 116mm	12 & 72
7100500	500mL	48mm	38mm	100 x 64 x 144mm	12 & 48
7101000	1000mL	53mm	44mm	127 x 67 x 178mm	6 & 24



Diamond® RealSeal™

SQUARE WIDE MOUTH BOTTLES

These square bottles store and pack efficiently to maximize space utilization. The wide mouths are perfect for sample collection and facilitate the rapid filling and emptying of solids, powders, and viscous liquids.

Polypropylene (PP)

- Suitable for autoclaving at 121°C
- Improved chemical resistance and clarity
- Resistant to most corrosives and suitable for a wide variety of laboratory uses
- Approved for use from -40 to 121°C



Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims.	Height w/Cap	Units
7160060	60mL	25mm	21mm	35mm Sq.	84mm	12 & 72
7160175	175mL	38mm	29mm	52mm Sq.	104mm	12 & 72
7160250	250mL	43mm	33mm	60mm Sq.	115mm	12 & 72
7160500	500L	53mm	44mm	75mm Sq.	144mm	12 & 48
7161000	1000L	63mm	53mm	91mm Sq.	181mm	6 & 24

High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims.	Height w/Cap	Units
7180060	60mL	25mm	21mm	36mm Sq.	83mm	12 & 72
7180175	175mL	38mm	29mm	51mm Sq.	104mm	12 & 72
7180250	250mL	43mm	33mm	60mm Sq.	114mm	12 & 72
7180500	500L	53mm	44mm	73mm Sq.	144mm	12 & 48
7181000	1000L	63mm	53mm	90mm Sq.	181mm	6 & 24



Amber High-Density Polyethylene (HDPE)

- Reduce UV Light transmission to protect light sensitive contents during storage and transport
- Comply with US Pharmacopeia requirements for maximum light transmission
- Safe for freezer storage down to -100°C
- Resistant to most corrosives

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dims.	Height w/Cap	Units
7180060AM	60mL	25mm	21mm	36mm Sq.	83mm	12 & 72
7180175AM	175mL	38mm	29mm	51mm Sq.	104mm	12 & 72
7180250AM	250mL	43mm	33mm	60mm Sq.	114mm	12 & 72
7180500AM	500L	53mm	44mm	73mm Sq.	144mm	12 & 48
7181000AM	1000L	63mm	53mm	90mm Sq.	181mm	6 & 24



Diamond® RealSeal™

AMBER BOTTLES

Amber bottles reduce UV light transmission to protect light sensitive contents during storage and transport. All Diamond® RealSeal™ amber bottles comply with US Pharmacopeia requirements for maximum light transmission.

High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives



Wide Mouth

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7010030AM	30mL	28mm	21mm	36mm	63mm	12 & 72
7010060AM	60mL	28mm	21mm	39mm	85mm	12 & 72
7010125AM	125mL	38mm	28mm	50mm	99mm	12 & 72
7010250AM	250mL	43mm	33mm	61mm	133mm	12 & 72
7010500AM	500mL	53mm	44mm	73mm	170mm	12 & 48
7011000AM	1000mL	63mm	53mm	91mm	199mm	6 & 24

Narrow Mouth

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7060030AM	30mL	20mm	14mm	36mm	62mm	12 & 72
7060060AM	60mL	20mm	14mm	41mm	85mm	12 & 72
7060125AM	125mL	24mm	18mm	51mm	99mm	12 & 72
7060250AM	250mL	24mm	18mm	61mm	133mm	12 & 72
7060500AM	500mL	28mm	21mm	73mm	170mm	12 & 48
7061000AM	1000mL	38mm	28mm	92mm	216mm	6 & 24



LARGE FORMAT AMBER BOTTLES

Wide Mouth — High-Density Polyethylene (HDPE)

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7012000AM	2L	100mm	90mm	118mm	245mm	EA & 6

Narrow Mouth — Polypropylene (PP)

- Suitable for autoclaving at 121°C
- Improved chemical resistance and clarity
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7052000AM	2L	38mm	27mm	118mm	252mm	EA & 6
7054000AM	4L	38mm	26mm	154mm	340mm	EA & 6
7058000AM	8L	53mm	39mm	195mm	415mm	EA & 6



Diamond® RealSeal™ Jerricans

Diamond RealSeal™ Plastic Jerricans from Globe Scientific provide efficient storage, simple transport, and easy dispensing of large liquid volumes in and around the laboratory. Rugged and durable high-density polyethylene construction make Diamond RealSeal jerricans highly resistant to chemicals, rustproof and molded graduations provide approximate volumes in liters and gallons. Rectangular design and low center of gravity provide efficient and stable liquid storage, while the angled spout and molded-in handle facilitates easy pouring.

Like Diamond RealSeal laboratory bottles and carboys, Diamond RealSeal jerricans are precision molded from virgin resins for consistent wall thickness and smooth interior and exterior surfaces. The jerricans include leak-proof polypropylene caps that are engineered with an integral seal ring for leak proof closure.

Diamond RealSeal™ jerricans and caps are designed with semi-buttressed threads for superior performance compared to round threads found on other jerricans.



High-Density Polyethylene (HDPE)

- Safe for freezer storage down to -100°C
- Resistant to most corrosives and suitable for a wide variety of laboratory uses

Item #	Capacity	Closure Size	Neck I.D.	Jerrican L.	Jerrican W.	Height w/Cap	Units
7190005	5L	53mm	39mm	253mm	170mm	333mm	EA & 6
7190010	10L	53mm	39mm	282mm	189mm	379mm	EA & 6
7190020	20L	53mm	39mm	351mm	245mm	468mm	EA & 4



Diamond® RealSeal™ Carboys

Diamond® RealSeal™ Plastic Carboys from Globe Scientific meet the large volume liquid storage and dispensing needs of the most demanding laboratory applications. Diamond® RealSeal™ Carboys are available in a wide range of materials and designs suitable for use with most media, reagents, and solutions used in laboratories across the world.

Like the Diamond® RealSeal™ laboratory bottle line, Diamond® RealSeal™ Carboys are precision molded from virgin resins for consistent wall thickness and smooth interior and exterior surfaces. The carboys include leak-proof polypropylene caps that are engineered with an integrated seal ring for leak-proof closure.

ROUND CARBOYS WITH SPIGOT

- Spigot allows simple and accurate dispensing of media and solutions
- Round design maximizes mixing efficiency
- Integrated handles facilitate easy carrying and pouring, even when wearing gloves
- Easy to read, molded graduations



Polypropylene (PP)

- PP carboys are autoclavable at 121°C and have the best chemical resistance

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7220005	5L	83mm	65mm	181mm	360mm	EA & 6
7220010	10L	83mm	65mm	249mm	390mm	EA & 6
7220020	20L	83mm	65mm	285mm	535mm	EA & 4
7220025	25L	83mm	65mm	285mm	600mm	EA & 4
7220050	50L	83mm	65mm	376mm	682mm	EA

Low-Density Polyethylene (LDPE)

- LDPE maintains flexibility and shatterproof safety down to -75°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7270005	5L	83mm	65mm	180mm	357mm	EA & 6
7270010	10L	83mm	65mm	249mm	390mm	EA & 6
7270020	20L	83mm	65mm	285mm	535mm	EA & 4
7270025	25L	83mm	65mm	285mm	596mm	EA & 4
7270050	50L	83mm	65mm	376mm	682mm	EA

High-Density Polyethylene (HDPE)

- HDPE is safe for freezer storage down to -100°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7350010	10L	83mm	65mm	249mm	390mm	EA & 6
7350020	20L	83mm	65mm	285mm	530mm	EA & 4



Diamond® RealSeal™

ROUND CARBOYS

- Round design maximizes mixing efficiency
- Integrated handles facilitate easy carrying and pouring, even when wearing gloves
- Easy to read, molded graduations

Polypropylene (PP)

- PP carboys are autoclavable at 121°C and have the best chemical resistance

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7200010	10L	83mm	65mm	249mm	390mm	EA & 6
7200015	15L	83mm	65mm	285mm	435mm	EA & 6
7200020	20L	83mm	65mm	285mm	535mm	EA & 4
7200025	25L	83mm	65mm	285mm	600mm	EA & 4
7200050	50L	83mm	65mm	376mm	682mm	EA

Low-Density Polyethylene (LDPE)

- LDPE maintains flexibility and shatterproof safety down to -75°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7250010	10L	83mm	65mm	249mm	390mm	EA & 6
7250015	15L	83mm	65mm	285mm	429mm	EA & 6
7250020	20L	83mm	65mm	285mm	535mm	EA & 4
7250025	25L	83mm	65mm	285mm	595mm	EA & 4
7250050	50L	83mm	65mm	376mm	682mm	EA

High-Density Polyethylene (HDPE)

- HDPE is safe for freezer storage down to -100°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7340010	10L	83mm	65mm	249mm	389mm	EA & 6
7340020	20L	83mm	65mm	285mm	535mm	EA & 4
7340050	50L	83mm	65mm	376mm	681mm	EA & 4

Amber High-Density Polyethylene (HDPE)

- Reduce UV Light transmission to protect light sensitive contents during storage and transport
- Comply with US Pharmacopeia requirements for maximum light transmission

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7240010AM	10L	83mm	65mm	249mm	390mm	EA & 6
7240020AM	20L	83mm	65mm	285mm	535mm	EA & 4

HEAVY DUTY CARBOYS

- Thick walls provide added strength and extra durability
- Hold full vacuum up to 8 hours
- Round design maximizes mixing efficiency
- Integrated handles facilitate easy carrying and pouring, even when wearing gloves
- Easy to read, molded graduations

Polypropylene (PP)

- PP carboys are autoclavable at 121°C and have the best chemical resistance

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7240010	10L	83mm	65mm	249mm	390mm	EA & 6
7240020	20L	83mm	65mm	285mm	535mm	EA & 4



Diamond® RealSeal™

WIDE MOUTH CARBOYS

- Wide 100mm mouth for use with solids, powders, and overhead mixing equipment
- Integrated handles facilitate easy carrying and pouring, even when wearing gloves
- Easy to read, molded graduations



Polypropylene (PP)

- PP carboys are autoclavable at 121°C and have the best chemical resistance

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7210010	10L	100mm	95mm	249mm	390mm	EA & 6
7210015	15L	100mm	95mm	285mm	381mm	EA & 6
7210020	20L	100mm	95mm	285mm	535mm	EA & 4

Low-Density Polyethylene (LDPE)

- LDPE maintains flexibility and shatterproof safety down to -75°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle O.D.	Height w/Cap	Units
7260010	10L	100mm	95mm	249mm	390mm	EA & 6
7260015	15L	100mm	95mm	285mm	378mm	EA & 6
7260020	20L	100mm	95mm	285mm	535mm	EA & 4

RECTANGULAR CARBOYS WITH SPIGOT

- Rectangular design maximizes storage efficiency
- Spigot allows simple and accurate dispensing of media and solutions
- Integrated stainless steel handle for easy carrying and pouring
- Easy to read, molded graduations



High-Density Polyethylene (HDPE)

- HDPE is safe for freezer storage down to -100°C

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dimensions	Height w/Cap	Units
7310005	5L	100mm	86mm	227mm x 144mm	342mm	EA & 6
7310010	10L	100mm	86mm	284mm x 176mm	400mm	EA & 6
7310020	20L	100mm	86mm	342mm x 207mm	492mm	EA & 4

Polypropylene (PP)

- PP carboys are autoclavable at 121°C and have the best chemical resistance

Item #	Capacity	Closure Size	Neck I.D.	Bottle Dimensions	Height w/Cap	Units
7300005	5L	100mm	86mm	227mm x 144mm	342mm	EA & 6
7300010	10L	100mm	86mm	284mm x 176mm	400mm	EA & 6
7300020	20L	100mm	86mm	342mm x 207mm	492mm	EA & 4



Diamond® RealSeal™

Heavy Duty Vacuum Bottles and Aseptic Transfer Caps

Diamond® RealSeal™ Heavy Duty Vacuum Bottles have thick walls to withstand the forces of repeated vacuum applications in the laboratory. Designed for liquid aspiration and transfer operations, the bottles come complete with a Polypropylene (PP) cap and TPE gasket for leakproof sealing. The polypropylene bottles are autoclavable and will hold vacuum for up to 24 hours at 20°C. All of our Heavy Duty Vacuum Bottles are manufactured from Medical Grade USP Class VI resins to meet requirements of most laboratories.

When combined with the matching Aseptic Transfer Caps, Heavy Duty Vacuum Bottles can be used for safe, sterile transfer of reagents, media and solutions required in biotechnology, cell culture and other laboratories.

Bottle Features:

- Medical grade resins that are USP Class VI
- Thick walls to withstand vacuum pressures
- Polypropylene (PP) bottles are autoclavable at 121°C and will hold vacuum up to 24 hours at 20°C
- White polypropylene (PP) caps have TPE gasket for leakproof sealing

Aseptic Transfer Cap Features:

- Provide aseptic transfer of reagents, media, and solutions to and from heavy duty vacuum bottles
- Made from medical grade resin that is USP Class VI
- Autoclavable at 121°C

Item #	Description	Unit(s)
7081000	Heavy Duty Vacuum Bottle, 1L, PP with PP Cap	2 & 12
7082000	Heavy Duty Vacuum Bottle, 2L, PP with PP Cap	2 & 12
7084000	Heavy Duty Vacuum Bottle, 4L, PP with PP Cap	Each & 6
7092000	Heavy Duty Vacuum Bottle, 2L, HDPE with PP Cap	2 & 12
7094000	Heavy Duty Vacuum Bottle, 4L, HDPE with PP Cap	Each & 6
70953CAP	Bottle Closure System for Aseptic Transfer of Liquids, 52mm for 2L Heavy Duty Vacuum Bottle, PP	Each
70983CAP	Bottle Closure System for Aseptic Transfer of Liquids, 83mm for 4L Heavy Duty Vacuum Bottle, PP	Each



Diamond® RealSeal™ PETG Bottles

Diamond® RealSeal™ PETG Square Media Bottles protect media, laboratory reagents, and buffers during storage and transport. Perfect for cold storage, the PETG bottles remain shatterproof even at -40°C. Low transmission rates of O₂ and CO₂ maintain optimum pH values for solutions in storage. Diamond® RealSeal™ PETG bottles include white HDPE caps with integrated seal rings and matching semi-buttressed threads for leakproof performance to 95kPa. Bottles are provided sterile and ready to fill with tamper evident shrink bands in tray packs for convenience.

The Diamond® RealSeal™ Advantage:

Medical Grade Resins to Meet Demanding Requirements

- USP Class VI for pharma and research applications
- FDA CFR-21 compliant for food contact
- Free of heavy metals and RoHS compliant
- BPA and phthalate free



Manufactured in a Controlled Environment

- Produced and packaged in ISO Class 8 Cleanroom
- ISO 9001 and ISO 13485 production facility

Leakproof, Linerless Caps for Secure Closure

- Engineered with semi-buttressed threads for superior performance
- Integrated seal ring molded into cap to prevent leaks
- Maintains seal integrity at pressures up to 95 kPa

Sterile and Ready for Filling

- Gamma sterilized to SAL 10⁻⁶
- Tamper evident shrink bands ensure sterility before filling
- DNase / RNase free
- Non-pyrogenic and non-cytotoxic
- Molded graduation marks for reference during filling

PETG Bottle Material Protects Contents During Storage

- Limits transmission of O₂ and CO₂ to protect pH sensitive solutions
- Shatterproof even at -40°C
- Temperature range -80°C to 60°C



Item #	Capacity	Closure Size	Neck ID	Bottle Dims	Height	Height with Cap	Units
7610030	30mL	20mm	14mm	38mm x 38mm	63mm	65mm	24 & 96
7610060	60mL	24mm	18mm	41mm x 41mm	81mm	83mm	24 & 96
7610125	125mL	38mm	28mm	54mm x 54mm	105mm	111mm	24 & 48
7610250	250mL	38mm	28mm	60mm x 60mm	143mm	148mm	24 & 48
7610500	500mL	38mm	28mm	75mm x 75mm	171mm	174mm	12 & 24
7611000	1000mL	38mm	28mm	94mm x 94mm	215mm	220mm	12 & 24
7612000	2000mL	53mm	39mm	117mm x 117mm	268mm	273mm	6 & 12



Also Available

diamondESSENTIALS™

Bulk Plastic Laboratory Bottles

Diamond® Essentials™ Bulk Plastic Laboratory Bottles meet the market need for efficient, effective, and economical packaging options aimed at manual and automated filling operations. Packaged in bulk with caps and bottles bagged separately, no de-capping step is needed before filling Diamond® Essentials™ Bulk Bottles. Available in wide and narrow mouth options with cap and closure sizes that match industry norms, the bottles integrate easily into filling operations.

Diamond® Essentials™ bulk plastic laboratory bottles are precision molded from virgin high density polyethylene (HDPE) resins for consistent wall thickness and smooth surfaces inside and out. These rugged HDPE bottles are resistant to most corrosives and are suitable for freezer storage down to -100°C. Amber bottle options reduce UV light transmission to protect light sensitive contents and comply with US Pharmacopeia requirements for light transmission. Polypropylene caps are engineered with an integrated seal ring and semi-buttressed threads for leak proof closure. These leak proof bottles are designed and tested to withstand the highest pressure thresholds in the industry.



Please contact your Globe Scientific Sales Representative or visit globescientific.com for more information.



www.globescientific.com

Phone 1 (800) 394-4562 • 1 (201) 599-1400

Fax 1 (201) 599-1406

E-mail mail@globescientific.com