



**LABORATORY CONTAINER
& SUPPLY CATALOG**

BOTTLE & CAP COMBINATION

SELECTING THE RIGHT BOTTLE & CAP COMBINATION

While reviewing the options, remember to keep in mind the possibility of compatibility issues with the contents and the bottle/cap combination. Also, consider the conditions under which the filled container will be stored, such as UV protection and temperature extremes. Storage of the bottles, and ordering and transportation logistics may also be factors when considering the right bottle and cap combination. Contact your VWR rep today and arrange a consultation with a Qorpak technical expert!



CONTAINERS

**MATERIAL**

Glass Containers are impervious to gas permeation, is rigid, recyclable, chemically inert and autoclavable
Plastic Bottles are durable, impact resistant and lightweight

**COLOR**

Amber/Brown Bottles provide UV protection
Clear/Flint Bottles allow for easy visual inspection
Natural Bottles are plastic bottles which can be translucent or opaque in appearance

**CAPACITY**

Determine required capacity/volume

**NECK FINISH**

The width of the neck opening may be critical to how the contents are filled and dispensed. This size also determines the closure size.

**VALUE-ADDED SERVICES**

Precleaned Bottles can be cleaned to individual cleanliness requirements
Safety Coated Bottles reduce breakage and protects employees
Fluorinated Plastic Bottles prevent the sides of a plastic bottle from collapsing in



CLOSURES

**CLOSURE SIZE**

Also known as neck finish, cap size must be the same as the neck finish on the bottle

**CLOSURE MATERIAL**

Thermoset Caps are the most temperature tolerant and have the widest range of chemical compatibility
Polypropylene Caps are cost effective, pliable and have good impact strength
Metal Caps are suggested for food and industrial applications and are resistant to damage through impact

**CLOSURE LINER**

The liner is the part of the closure that comes in contact with the contents and must be compatible. A wide variety of lining systems are available



CASE PACKS & PACKAGING

**CONVENIENCE PACKS**

Packed in smaller quantities to minimize breakage and make the case easy to handle and store

**BULK PACKS**

Save money with bulk pricing and less time re-ordering

**CAPS ATTACHED**

Simplify ordering and always have the right size cap. Reduces carton dust contamination

**CAPS SEPARATE**

No need to remove caps allowing for faster filling and trouble free loading

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DISCLAIMER

Qorpak provides assistance to our customers in determining the adequacy of our products for particular purposes and uses requested. However, Qorpak has no control over our products following their purchase, including how they are used as well as the conditions of where they are filled and stored or how they are shipped. Because of this, the final responsibility for determining whether or not an item is suitable for an application lies with the prospective user. Qorpak disclaims responsibility for damage or injury resulting from the use of our items.

Prices and product specifications are subject to change without notice. Prices billed will be those in effect at time of shipment. Prices will fluctuate up or down based on prevailing market conditions for each type of raw material. We reserve the right to update prices due to errors (i.e., typos).

All product images are for illustrative purposes only. The actual product you receive may vary. Please refer to the product description for specific details of the product.

ABOUT BERLIN PACKAGING

Qorpak is a division of Berlin Packaging. Berlin Packaging is North America's premier supplier of plastic, glass, and metal containers and closures. We are a Hybrid Packaging Supplier, as we bring together the best of manufacturing, distribution, and value-added service providers. Berlin Packaging supplies billions of containers and closures annually as well as design, financing, consulting, warehousing, and logistics services to customers of all sizes in all industries.





AMBER BOSTON ROUNDS

- Protect contents from UV rays
- Environmentally sensitive to help eliminate waste
- Help to ensure product integrity for long-term storage
- See inside back cover for complete descriptions of our Value Added Services

AMBER BOSTON ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-----------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | OORPAK CAT. NO. | VWR CAT. NO. | QTY. | OORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1/2 (15) | 18-400 | 25 x 68 | --- | --- | --- | --- | --- | GLA-00884 | 16087-320 | 720 |
| 1 (30) | 20-400 | 31 x 79 | --- | --- | --- | --- | --- | GLA-00885 | 89237-486 | 432 |
| 2 (60) | 20-400 | 39 x 94 | --- | --- | --- | --- | --- | GLA-00886 | 30617-126 | 288 |
| 4 (120) | 22-400 | 48 x 112 | --- | --- | GLA-00890 | 11311-590 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | --- | --- | GLA-00895 | 11311-228 | 24 | GLA-00893 | 16218-221 | 108 |
| 16 (480) | 28-400 | 75 x 168 | --- | --- | --- | --- | --- | GLA-00896 | 16218-222 | 60 |
| 32 (960) | 33-400 | 94 x 210 | --- | --- | GLA-00902 | 11311-230 | 12 | GLA-00900 | 16218-224 | 30 |
| 33 (1,000) | 33-430 | 96 x 217 | --- | --- | GLA-00903 | 16087-318 | 12 | --- | --- | --- |
| 2 (60) | 20-400 | 39 x 94 | Green Thermoset F217 & PTFE | --- | GLC-01904 | 16153-102 | 24 | GLC-01903 | 30617-130 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Green Thermoset F217 & PTFE | --- | GLC-01926 | 16153-135 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | Green Thermoset F217 & PTFE | --- | GLC-01947 | 16153-168 | 24 | --- | --- | --- |
| 16 (480) | 28-400 | 75 x 168 | Green Thermoset F217 & PTFE | --- | GLC-01977 | 16153-190 | 12 | --- | --- | --- |
| 32 (960) | 33-400 | 94 x 210 | Green Thermoset F217 & PTFE | --- | GLC-02004 | 16153-226 | 12 | GLC-02001 | 16152-110 | 30 |
| 33 (1,000) | 33-430 | 96 x 217 | Black Phenolic F217 & PTFE | --- | GLC-02032 | 16150-953 | 12 | --- | --- | --- |
| 1/2 (15) | 18-400 | 25 x 68 | Black Phenolic Pulp/Vinyl | --- | --- | --- | --- | GLC-05481 | 16087-296 | 720 |
| 1 (30) | 20-400 | 31 x 79 | Black Phenolic Pulp/Vinyl | --- | --- | --- | --- | GLC-01902 | 89237-490 | 432 |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic Pulp/Vinyl | --- | GLC-01918 | 16152-020 | 24 | GLC-01917 | 30617-134 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic Pulp/Vinyl | --- | GLC-01939 | 470147-490 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | Black Phenolic Pulp/Vinyl | --- | GLC-01967 | 16152-063 | 24 | GLC-01966 | 89423-618 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic Pulp/Vinyl | --- | GLC-01992 | 16152-085 | 12 | GLC-01991 | 16152-096 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Pulp/Vinyl | --- | GLC-02018 | 470174-882 | 12 | GLC-02016 | 16152-099 | 30 |
| 1/2 (15) | 18-400 | 25 x 68 | Black Phenolic PolyCone | --- | --- | --- | --- | GLC-04927 | 16087-298 | 720 |
| 1 (30) | 20-400 | 31 x 79 | Black Phenolic PolyCone | --- | --- | --- | --- | GLC-01898 | 89237-488 | 432 |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic PolyCone | --- | GLC-01912 | 16152-405 | 24 | GLC-01909 | 30617-132 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic PolyCone | --- | GLC-01935 | 16152-427 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | Black Phenolic PolyCone | --- | GLC-01961 | 16152-449 | 24 | GLC-01960 | 16152-076 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic PolyCone | --- | GLC-01985 | 16152-460 | 12 | GLC-01982 | 16152-097 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic PolyCone | --- | GLC-02012 | 16152-482 | 12 | GLC-02010 | 16152-098 | 30 |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic Rubber | --- | GLC-01908 | 16152-642 | 24 | --- | --- | --- |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic Rubber | --- | GLC-01930 | 16152-664 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | Black Phenolic Rubber | --- | GLC-01959 | 16152-686 | 24 | --- | --- | --- |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic Rubber | --- | GLC-01981 | 16152-700 | 12 | --- | --- | --- |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Rubber | --- | GLC-02008 | 16152-722 | 12 | --- | --- | --- |

*Approximate dimensions without cap

AMBER BOSTON ROUNDS (CONTINUED)

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|------------------------------|--|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 4 (120) | 22-400 | 48 x 112 | Polypropylene with PTFE Disc | — | GLC-01922 | 36319-435 | 24 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | Polypropylene with PTFE Disc | — | GLC-01971 | 36319-411 | 12 | — | — | — |
| 32 (960) | 33-400 | 94 x 210 | Polypropylene with PTFE Disc | — | — | — | — | GLC-07386 | 11311-102 | 30 |
| 33 (1,000) | 33-430 | 96 x 217 | Polypropylene with PTFE Disc | — | GLC-02026 | 36319-414 | 12 | — | — | — |
| 1/2 (15) | 18-400 | 25 x 68 | Green Thermoset F217 & PTFE | Vacuum & Ionized | — | — | — | GLC-07016 | 11311-184 | 720 |
| 1 (30) | 20-400 | 31 x 79 | Green Thermoset F217 & PTFE | Vacuum & Ionized | — | — | — | GLC-07017 | 89237-492 | 432 |
| 2 (60) | 20-400 | 39 x 94 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01906 | 36319-769 | 24 | GLC-07102 | 30617-142 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01928 | 36319-770 | 24 | — | — | — |
| 8 (240) | 24-400 | 60 x 138 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01950 | 36319-771 | 24 | GLC-07104 | 93000-945 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01979 | 36319-772 | 12 | GLC-01976 | 93000-946 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-02006 | 36319-773 | 12 | GLC-02002 | 93000-948 | 30 |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic PolyCone | Vacuum & Ionized | GLC-07987 | 10820-604 | 12 | — | — | — |
| 33 (1,000) | 33-430 | 96 x 217 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-02022 | 16054-134 | 12 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | Green Thermoset F217 & PTFE | Ultra Clean | GLC-05998 | 93001-592 | 12 | — | — | — |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

CLEAR OVAL PRESCRIPTION WARE BOTTLES

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|---------------------------|-----------------|--------------|-----------|
| 6 (180) | 24-400 | 64 x 142 | Black Phenolic Pulp/Vinyl | GLC-13070 | 89096-622 | 48 |



CLEAR OVAL PRESCRIPTION WARE BOTTLES

- Graduated in milliliters and ounces

CLEAR OIL SAMPLE BOTTLES

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|--------------------|-----------------|--------------|-----------|
| 4 (120) | # 6 Cork | 37 x 163 | Cork | GLA-00856 | 16455-000 | 144 |

*Approximate dimensions without cap



CLEAR OIL SAMPLE BOTTLES

- Suggested for field analysis in the petroleum industry
- Excellent choice for displaying products or crafting projects



CLEAR BOSTON ROUNDS

- Offer maximum visibility and sample integrity
- Suggested for liquids, product storage, and field or plant sampling projects
- Feature a round body, rounded shoulders, and narrow screw neck opening
- See inside back cover for complete descriptions of our Value Added Services

CLEAR BOSTON ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|------------------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | OORPAK CAT. NO. | VWR CAT. NO. | QTY. | OORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 20-400 | 31 x 79 | — | — | — | — | — | GLA-00805 | 16087-006 | 432 |
| 2 (60) | 20-400 | 39 x 94 | — | — | GLA-00809 | 16151-610 | 24 | GLA-00807 | 16218-090 | 288 |
| 4 (120) | 22-400 | 48 x 112 | — | — | GLA-00811 | 16151-612 | 24 | GLA-00810 | 16218-207 | 160 |
| 8 (240) | 24-400 | 60 x 137 | — | — | GLA-00815 | 16151-614 | 24 | GLA-00812 | 89204-904 | 108 |
| 16 (480) | 28-400 | 75 x 168 | — | — | GLA-00817 | 16218-210 | 12 | GLA-00816 | 16218-212 | 60 |
| 32 (960) | 33-400 | 94 x 210 | — | — | GLA-00819 | 16151-592 | 12 | — | — | — |
| 1 (30) | 20-400 | 31 x 79 | Green Thermoset F217 & PTFE | — | GLC-01082 | 16151-220 | 48 | GLC-01081 | 16152-018 | 432 |
| 2 (60) | 20-400 | 39 x 94 | Green Thermoset F217 & PTFE | — | GLC-01099 | 16151-242 | 24 | GLC-01098 | 16152-116 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Green Thermoset F217 & PTFE | — | GLC-01123 | 16151-286 | 24 | GLC-01121 | 16152-119 | 160 |
| 8 (240) | 24-400 | 60 x 137 | Green Thermoset F217 & PTFE | — | GLC-01151 | 16151-300 | 24 | GLC-01146 | 89204-864 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Green Thermoset F217 & PTFE | — | GLC-01185 | 16151-322 | 12 | GLC-01181 | 16152-124 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Green Thermoset F217 & PTFE | — | GLC-01217 | 16151-344 | 12 | — | — | — |
| 1 (30) | 20-400 | 31 x 79 | Black Phenolic Pulp/Vinyl | — | GLC-01094 | 16151-027 | 48 | GLC-01092 | 16151-038 | 432 |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic Pulp/Vinyl | — | GLC-01116 | 16151-049 | 24 | GLC-01114 | 16151-050 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic Pulp/Vinyl | — | GLC-01138 | 16151-060 | 24 | GLC-01136 | 89204-858 | 160 |
| 8 (240) | 24-400 | 60 x 137 | Black Phenolic Pulp/Vinyl | — | GLC-01173 | 470147-488 | 24 | GLC-01171 | 89204-866 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic Pulp/Vinyl | — | GLC-01205 | 16151-107 | 12 | GLC-01204 | 16151-118 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Pulp/Vinyl | — | GLC-01237 | 16151-129 | 12 | — | — | — |
| 1 (30) | 20-400 | 31 x 79 | Black Phenolic PolyCone | — | GLC-01089 | 16151-650 | 48 | GLC-01088 | 16192-002 | 432 |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic PolyCone | — | GLC-01109 | 16151-672 | 24 | GLC-01106 | 16151-051 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic PolyCone | — | GLC-01131 | 16151-719 | 24 | GLC-01129 | 16192-034 | 160 |
| 8 (240) | 24-400 | 60 x 137 | Black Phenolic PolyCone | — | GLC-01166 | 16151-730 | 24 | GLC-01164 | 89204-852 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic PolyCone | — | GLC-01196 | 16151-752 | 12 | GLC-01193 | 16192-057 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic PolyCone | — | GLC-01228 | 16151-774 | 12 | — | — | — |
| 1 (30) | 20-400 | 31 x 79 | Black Phenolic Rubber | — | GLC-01087 | 16151-865 | 48 | — | — | — |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic Rubber | — | GLC-01105 | 16151-887 | 24 | — | — | — |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic Rubber | — | GLC-01128 | 16151-901 | 24 | — | — | — |
| 8 (240) | 24-400 | 60 x 137 | Black Phenolic Rubber | — | GLC-01162 | 16151-923 | 24 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic Rubber | — | GLC-01191 | 16151-945 | 12 | — | — | — |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Rubber | — | GLC-01221 | 16151-967 | 12 | — | — | — |
| 1 (30) | 20-400 | 31 x 79 | ValuLine White PP F217 & PTFE | — | 239203 | 76170-322 | 48 | — | — | — |
| 32 (960) | 33-400 | 94 x 210 | ValuLine White PP F217 & PTFE | — | 239202 | 76170-320 | 12 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | White PP Cap & PTFE/Silicone Septa | — | GLC-01189 | 15712-426 | 12 | GLC-06414 | 15712-434 | 60 |
| 2 (60) | 20-400 | 39 x 94 | Hole Cap & PTFE/Silicone Septa | — | GLC-06419 | 15712-410 | 24 | — | — | — |
| 4 (120) | 22-400 | 48 x 112 | Hole Cap & PTFE/Silicone Septa | — | GLC-06421 | 15712-414 | 24 | GLC-06411 | 89204-860 | 160 |
| 8 (240) | 24-400 | 60 x 137 | Hole Cap & PTFE/Silicone Septa | — | GLC-01159 | 15712-422 | 24 | GLC-06413 | 89204-868 | 108 |
| 8 (240) | 24-400 | 60 x 137 | Polypropylene with PTFE Disc | — | GLC-01143 | 36319-236 | 24 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | Polypropylene with PTFE Disc | — | GLC-01178 | 36319-241 | 12 | — | — | — |
| 32 (960) | 33-400 | 94 x 210 | Polypropylene with PTFE Disc | — | GLC-01211 | 36319-238 | 12 | — | — | — |

*Approximate dimensions without cap

CLEAR BOSTON ROUNDS (CONTINUED)

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|------------------------------|--|------------------|------------------|------|------------------|------------------|------|
| | | | | | OORPAK CAT. NO. | VWR CAT. NO. | QTY. | OORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 20-400 | 31 x 79 | Green Thermojet F217 & PTFE | Vacuum & Ionized | GLC-01085 | 36319-763 | 48 | — | — | — |
| 2 (60) | 20-400 | 39 x 94 | Green Thermojet F217 & PTFE | Vacuum & Ionized | GLC-01102 | 36319-764 | 24 | — | — | — |
| 4 (120) | 22-400 | 48 x 112 | Green Thermojet F217 & PTFE | Vacuum & Ionized | GLC-01126 | 36319-765 | 24 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | Green Thermojet F217 & PTFE | Vacuum & Ionized | GLC-01188 | 36319-767 | 12 | — | — | — |
| 32 (960) | 33-400 | 94 x 210 | Green Thermojet F217 & PTFE | Vacuum & Ionized | GLC-01220 | 36319-768 | 12 | — | — | — |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic PolyCone | Vacuum & Ionized | GLC-01110 | 89031-216 | 24 | GLC-01107 | 11311-461 | 288 |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic PolyCone | Vacuum & Ionized | GLC-01133 | 89031-218 | 24 | GLC-01130 | 11311-462 | 160 |
| 8 (240) | 24-400 | 60 x 137 | Black Phenolic PolyCone | Vacuum & Ionized | GLC-01167 | 89031-220 | 24 | GLC-01165 | 11311-465 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic PolyCone | Vacuum & Ionized | — | — | — | GLC-01194 | 11311-466 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic PolyCone | Vacuum & Ionized | GLC-01227 | 11311-468 | 12 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01177 | 93001-654 | 12 | — | — | — |
| 1 (30) | 20-400 | 31 x 79 | Green Thermojet F217 & PTFE | Ultra Clean | GLC-01084 | 11311-644 | 48 | — | — | — |
| 2 (60) | 20-400 | 39 x 94 | Green Thermojet F217 & PTFE | Ultra Clean | GLC-01101 | 93001-638 | 24 | — | — | — |
| 8 (240) | 24-400 | 60 x 137 | Green Thermojet F217 & PTFE | Ultra Clean | GLC-01153 | 93001-636 | 24 | — | — | — |
| 16 (480) | 28-400 | 75 x 168 | Green Thermojet F217 & PTFE | Ultra Clean | GLC-01187 | 93001-628 | 12 | — | — | — |
| 32 (960) | 33-400 | 94 x 210 | Green Thermojet F217 & PTFE | Ultra Clean | GLC-01219 | 93001-626 | 12 | — | — | — |

GLASS DROPPER BOTTLES

- All dropper bottles include attached dropper assembly
- Dropper assembly includes: hole cap, black squeeze bulb and pipets in either glass or polyethylene
- Available in space saving oval glass bottles or traditional round bottles
- Amber bottles are suggested for light sensitive products



GLASS DROPPER BOTTLES

| BOTTLE STYLE | BOTTLE COLOR | CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | PIPET SIZE MM | CAP COLOR AND MATERIAL | PIPET MATERIAL | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|--------------|--------------|------------------|-------------|-------------------------|---------------|------------------------|----------------|------------------|------------------|-----------|
| Round | Amber | 2 (60) | 20-400 | 39 x 94 | 7 x 89 | Black PP | Glass | GLC-05725 | 70000-004 | 24 |
| Round | Amber | 4 (120) | 22-400 | 48 x 112 | 7 x 102 | Black PP | Glass | GLC-05727 | 70000-010 | 24 |
| Round | Clear | 1 (30) | 20-400 | 31 x 79 | 7 x 75 | Black PP | Glass | GLC-05723 | 70000-002 | 48 |
| Round | Clear | 2 (60) | 20-400 | 39 x 94 | 7 x 89 | Black PP | Glass | GLC-05724 | 70000-008 | 24 |
| Round | Clear | 4 (120) | 22-400 | 48 x 112 | 7 x 102 | Black PP | Glass | GLC-05726 | 70000-006 | 24 |
| Oval | Amber | 1 (30) | 20-400 | 29 x 55 | 7 x 72 | Black PP | Polypropylene | GLA-00904 | 16362-102 | 72 |
| Oval | Amber | 2 (60) | 20-400 | 43 x 97 | 7 x 89 | Black PP | Polypropylene | GLA-00905 | 89204-846 | 36 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.



AMBER WIDE MOUTH PACKERS

- Wide opening, general purpose bottle
- A range of applications including pharmaceutical, chemical, and environmental
- Recommended for light sensitive products
- See inside back cover for complete descriptions of our Value Added Services

AMBER WIDE MOUTH PACKERS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|---------------------|----------------|----------------------------|-----------------------------|------------------------|--------------------|-----------------|------|--------------------|-----------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| .20 (6) | 20-400 | 24 x 44 | — | — | — | — | — | GLA-00909 | 16054-428 | 720 |
| .25 (8) | 20-400 | 25 x 52 | — | — | — | — | — | GLA-00910 | 16054-430 | 912 |
| .50 (15) | 28-400 | 31 x 50 | — | — | — | — | — | GLA-00911 | 16087-032 | 624 |
| 1 (30) | 28-400 | 37 x 65 | — | — | GLA-00913 | 16151-608 | 24 | GLA-00912 | 16151-596 | 432 |
| 2 (60) | 33-400 | 44 x 75 | — | — | — | — | — | GLA-00914 | 16218-174 | 216 |
| 2.5 (75) | 38-400 | 46 x 81 | — | — | — | — | — | GLA-00917 | 16087-034 | 288 |
| 4 (120) | 38-400 | 54 x 95 | — | — | GLA-00932 | 11311-584 | 24 | GLA-00930 | 16180-879 | 180 |
| 8.5 (250) | 45-400 | 65 x 119 | — | — | GLA-00921 | 11311-586 | 24 | GLA-00919 | 16218-230 | 84 |
| 10 (300) | 53-400 | 68 x 126 | — | — | — | — | — | GLA-00922 | 16087-036 | 96 |
| 17 (500) | 53-400 | 81 x 146 | — | — | — | — | — | GLA-00923 | 16218-228 | 60 |
| 32 (950) | 53-400 | 99 x 178 | — | — | — | — | — | GLA-00926 | 16218-226 | 36 |
| 42 (1,250) | 70-400 | 106 x 191 | — | — | GLA-00929 | 16054-432 | 6 | — | — | — |
| 84 (2,500) | 70-400 | 140 x 239 | — | — | GLA-05149 | 16087-014 | 12 | — | — | — |
| <hr/> | | | | | | | | | | |
| .20 (6) | 20-400 | 24 x 44 | Green Thermoset F217 & PTFE | — | — | — | — | GLC-06609 | 89027-040 | 720 |
| .50 (15) | 28-400 | 31 x 50 | Green Thermoset F217 & PTFE | — | GLC-09083 | 93001-568 | 48 | — | — | — |
| 1 (30) | 28-400 | 37 x 65 | Green Thermoset F217 & PTFE | — | GLC-02081 | 16180-207 | 24 | — | — | — |
| 2 (60) | 33-400 | 44 x 75 | Green Thermoset F217 & PTFE | — | GLC-02096 | 16180-229 | 24 | — | — | — |
| 4 (120) | 38-400 | 54 x 95 | Green Thermoset F217 & PTFE | — | GLC-02190 | 16180-240 | 24 | — | — | — |
| 8.5 (250) | 45-400 | 65 x 119 | Green Thermoset F217 & PTFE | — | GLC-02118 | 16180-262 | 24 | GLC-02114 | 89140-224 | 84 |
| 10 (300) | 53-400 | 68 x 126 | Green Thermoset F217 & PTFE | — | — | — | — | GLC-06063 | 16054-444 | 96 |
| 17 (500) | 53-400 | 81 x 146 | Green Thermoset F217 & PTFE | — | GLC-02135 | 16180-284 | 12 | GLC-02132 | 89027-042 | 60 |
| 32 (950) | 53-400 | 99 x 178 | Green Thermoset F217 & PTFE | — | GLC-02161 | 16180-309 | 12 | — | — | — |
| 42 (1,250) | 70-400 | 106 x 191 | Green Thermoset F217 & PTFE | — | GLC-05924 | 16054-440 | 6 | — | — | — |
| 84 (2,500) | 70-400 | 140 x 239 | Green Thermoset F217 & PTFE | — | GLC-05941 | 16054-442 | 12 | — | — | — |
| <hr/> | | | | | | | | | | |
| .20 (6) | 20-400 | 24 x 44 | Black Phenolic Pulp/Vinyl | — | — | — | — | GLC-05968 | 16054-416 | 720 |
| .25 (8) | 20-400 | 25 x 52 | Black Phenolic Pulp/Vinyl | — | — | — | — | GLC-05970 | 16054-418 | 912 |
| .50 (15) | 28-400 | 31 x 50 | Black Phenolic Pulp/Vinyl | — | — | — | — | GLC-05969 | 16054-420 | 624 |
| 1 (30) | 28-400 | 37 x 65 | Black Phenolic Pulp/Vinyl | — | GLC-02089 | 16179-988 | 24 | GLC-02088 | 16179-999 | 432 |
| 2 (60) | 33-400 | 44 x 75 | Black Phenolic Pulp/Vinyl | — | GLC-02106 | 16180-003 | 24 | GLC-02105 | 16180-014 | 216 |
| 4 (120) | 38-400 | 54 x 95 | Black Phenolic Pulp/Vinyl | — | GLC-02203 | 16180-025 | 24 | GLC-02202 | 16180-036 | 180 |
| 8.5 (250) | 45-400 | 65 x 119 | Black Phenolic Pulp/Vinyl | — | GLC-02125 | 16180-047 | 24 | GLC-02124 | 16180-058 | 84 |
| 10 (300) | 53-400 | 68 x 126 | Black Phenolic Pulp/Vinyl | — | — | — | — | GLC-05933 | 16054-434 | 96 |
| 32 (950) | 53-400 | 99 x 178 | Black Phenolic Pulp/Vinyl | — | — | — | — | GLC-02174 | 16180-091 | 36 |
| 42 (1,250) | 70-400 | 106 x 191 | Black Phenolic Pulp/Vinyl | — | GLC-05926 | 16054-436 | 6 | — | — | — |
| 84 (2,500) | 70-400 | 140 x 239 | Black Phenolic Pulp/Vinyl | — | GLC-05942 | 16054-438 | 12 | — | — | — |
| <hr/> | | | | | | | | | | |
| 1 (30) | 28-400 | 37 x 65 | Black Phenolic PolyCone | — | GLC-02085 | 16180-681 | 24 | — | — | — |
| 2 (60) | 33-400 | 44 x 75 | Black Phenolic PolyCone | — | GLC-02101 | 16180-706 | 24 | — | — | — |
| 4 (120) | 38-400 | 54 x 95 | Black Phenolic PolyCone | — | GLC-02196 | 16180-728 | 24 | — | — | — |
| <hr/> | | | | | | | | | | |
| 1 (30) | 28-400 | 37 x 65 | Black Phenolic Rubber | — | GLC-05972 | 16054-400 | 24 | — | — | — |
| 2 (60) | 33-400 | 44 x 75 | Black Phenolic Rubber | — | GLC-05971 | 16054-402 | 24 | — | — | — |
| 4 (120) | 38-400 | 54 x 95 | Black Phenolic Rubber | — | GLC-02194 | 16054-404 | 24 | — | — | — |

*Approximate dimensions without cap

AMBER WIDE MOUTH PACKERS (CONTINUED)

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 28-400 | 37 x 65 | ValuLine White PP F217 & PTFE | — | 239209 | 76170-334 | 24 | — | — | — |
| 2 (60) | 33-400 | 44 x 75 | ValuLine White PP F217 & PTFE | — | 239210 | 76170-336 | 24 | — | — | — |
| 4 (120) | 38-400 | 54 x 95 | ValuLine White PP F217 & PTFE | — | 239211 | 76170-338 | 24 | — | — | — |
| 32 (950) | 53-400 | 99 x 178 | ValuLine White PP F217 & PTFE | — | 239215 | 76170-344 | 12 | — | — | — |
| 4 (120) | 38-400 | 54 x 95 | Polypropylene with PTFE Disc | — | GLC-02185 | 10027-450 | 24 | — | — | — |
| 17 (500) | 53-400 | 81 x 146 | Polypropylene with PTFE Disc | — | GLC-02127 | 16054-156 | 12 | — | — | — |
| 32 (950) | 53-400 | 99 x 178 | Polypropylene with PTFE Disc | — | GLC-02152 | 16054-158 | 12 | — | — | — |
| .50 (15) | 28-400 | 31 x 50 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-11310 | 89092-718 | 48 | — | — | — |
| 1 (30) | 28-400 | 37 x 65 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-02083 | 36319-774 | 24 | GLC-02080 | 11311-178 | 432 |
| 2 (60) | 33-400 | 44 x 75 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-02098 | 36319-775 | 24 | GLC-07100 | 93000-940 | 216 |
| 4 (120) | 38-400 | 54 x 95 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-02192 | 36319-776 | 24 | GLC-02189 | 93000-950 | 180 |
| 8.5 (250) | 45-400 | 65 x 119 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-02120 | 36319-777 | 24 | GLC-02116 | 93000-936 | 84 |
| 10 (300) | 53-400 | 68 x 126 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | — | — | — | GLC-08685 | 11311-382 | 96 |
| 17 (500) | 53-400 | 81 x 146 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-02137 | 36319-778 | 12 | GLC-02133 | 93000-952 | 60 |
| 32 (950) | 53-400 | 99 x 178 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-02164 | 36319-779 | 12 | GLC-07101 | 93000-942 | 36 |
| 42 (1,250) | 70-400 | 106 x 191 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-07007 | 11311-182 | 6 | — | — | — |
| 1 (30) | 28-400 | 37 x 65 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-02090 | 36319-728 | 24 | — | — | — |
| 2 (60) | 33-400 | 44 x 75 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-02107 | 36319-729 | 24 | — | — | — |
| 4 (120) | 38-400 | 54 x 95 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-02204 | 36319-730 | 24 | — | — | — |
| 8.5 (250) | 45-400 | 65 x 119 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-02126 | 36319-731 | 24 | — | — | — |
| 17 (500) | 53-400 | 81 x 146 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-02149 | 36319-732 | 12 | — | — | — |
| 32 (950) | 53-400 | 99 x 178 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-02176 | 36319-733 | 12 | — | — | — |
| 1 (30) | 28-400 | 37 x 65 | Green ThermoSet F217 & PTFE | Ultra Clean | GLC-07129 | 11311-534 | 24 | — | — | — |
| 2 (60) | 33-400 | 44 x 75 | Green ThermoSet F217 & PTFE | Ultra Clean | GLC-07130 | 10158-494 | 24 | — | — | — |
| 4 (120) | 38-400 | 54 x 95 | Green ThermoSet F217 & PTFE | Ultra Clean | GLC-07131 | 10158-496 | 24 | — | — | — |
| 8.5 (250) | 45-400 | 65 x 119 | Green ThermoSet F217 & PTFE | Ultra Clean | GLC-07132 | 11311-540 | 24 | — | — | — |
| 17 (500) | 53-400 | 81 x 146 | Green ThermoSet F217 & PTFE | Ultra Clean | GLC-05372 | 11311-530 | 12 | — | — | — |
| 32 (950) | 53-400 | 99 x 178 | Green ThermoSet F217 & PTFE | Ultra Clean | GLC-02163 | 11311-528 | 12 | — | — | — |
| 84 (2,500) | 70-400 | 140 x 239 | Green ThermoSet F217 & PTFE | Ultra Clean | GLC-06407 | 11311-532 | 12 | — | — | — |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

WHY USE AMBER GLASS BOTTLES?

- Amber is the most common colored glass and is produced by adding together iron, sulfur, and carbon
- Amber glass absorbs nearly all radiation consisting of wavelengths shorter than 450nm, offering excellent protection from ultraviolet radiation
- Amber glass provides protection for light sensitive material





CLEAR FRENCH SQUARES

- Provide maximum content visibility
- Square shape saves on shelf and storage space
- Wide mouth opening is ideal for mixing, storing, and sampling
- 32oz French Squares are graduated in ml and oz
- See inside back cover for complete descriptions of our Value Added Services

CLEAR FRENCH SQUARES

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-----------------------------|---------------------|------------------|--------------|------|-----------------|-----------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | CAT. NO. | QTY. |
| .50 (15) | 20-400 | 24 x 62 | --- | --- | --- | --- | --- | GLA-00821 | 16087-002 | 576 |
| 1 (30) | 24-400 | 30 x 72 | --- | --- | GLA-00824 | 11311-649 | 48 | GLA-00823 | 16807-004 | 280 |
| 2 (60) | 28-400 | 37 x 86 | --- | --- | --- | --- | --- | GLA-00826 | 76209-728 | 240 |
| 4 (120) | 33-400 | 45 x 112 | --- | --- | --- | --- | --- | GLA-00829 | 89176-984 | 120 |
| 8 (240) | 43-400 | 51 x 137 | --- | --- | GLA-00832 | 11311-656 | 24 | GLA-00831 | 16188-346 | 84 |
| 16 (480) | 48-400 | 62 x 167 | --- | --- | GLA-00834 | 11311-658 | 24 | --- | --- | --- |
| 32 (960) | 58-400 | 83 x 202 | --- | --- | GLA-00836 | 11311-344 | 12 | GLA-00835 | 16195-850 | 24 |
| <hr/> | | | | | | | | | | |
| .50 (15) | 20-400 | 24 x 62 | Green ThermoSet F217 & PTFE | --- | GLC-01241 | 16189-008 | 48 | --- | --- | --- |
| 1 (30) | 24-400 | 30 x 72 | Green ThermoSet F217 & PTFE | --- | GLC-01260 | 16189-030 | 48 | GLC-01258 | 16151-996 | 280 |
| 2 (60) | 28-400 | 37 x 86 | Green ThermoSet F217 & PTFE | --- | GLC-01284 | 76209-732 | 48 | GLC-01283 | 16151-998 | 240 |
| 4 (120) | 33-400 | 45x112 | Green ThermoSet F217 & PTFE | --- | GLC-01311 | 16189-096 | 24 | --- | --- | --- |
| 8 (240) | 43-400 | 51 x 137 | Green ThermoSet F217 & PTFE | --- | GLC-01336 | 16189-121 | 24 | GLC-01334 | 16152-010 | 84 |
| 16 (480) | 48-400 | 62 x 167 | Green ThermoSet F217 & PTFE | --- | GLC-01364 | 16189-154 | 24 | GLC-01363 | 16085-227 | 40 |
| 32 (960) | 58-400 | 83 x 202 | Green ThermoSet F217 & PTFE | --- | GLC-01388 | 16189-188 | 12 | GLC-01387 | 16152-016 | 24 |
| <hr/> | | | | | | | | | | |
| .50 (15) | 20-400 | 24 x 62 | Black Phenolic Pulp/Vinyl | --- | GLC-01252 | 16188-027 | 48 | GLC-01251 | 16188-038 | 576 |
| 1 (30) | 24-400 | 30 x 72 | Black Phenolic Pulp/Vinyl | --- | GLC-01272 | 16188-049 | 48 | GLC-01271 | 16188-050 | 280 |
| 2 (60) | 28-400 | 37 x 86 | Black Phenolic Pulp/Vinyl | --- | GLC-01298 | 76209-736 | 48 | GLC-01297 | 76209-734 | 240 |
| 4 (120) | 33-400 | 45 x 112 | Black Phenolic Pulp/Vinyl | --- | GLC-01326 | 16188-082 | 24 | GLC-01325 | 89201-534 | 120 |
| 8 (240) | 43-400 | 51 x 137 | Black Phenolic Pulp/Vinyl | --- | GLC-01354 | 16188-107 | 24 | GLC-01351 | 16188-118 | 84 |
| 16 (480) | 48-400 | 62 x 167 | Black Phenolic Pulp/Vinyl | --- | GLC-01378 | 16188-129 | 24 | GLC-01377 | 16188-130 | 40 |
| 32 (960) | 58-400 | 83 x 202 | Black Phenolic Pulp/Vinyl | --- | --- | --- | --- | GLC-01396 | 11311-240 | 24 |
| <hr/> | | | | | | | | | | |
| 1 (30) | 24-400 | 30 x 72 | Black Phenolic PolyCone | --- | GLC-01268 | 16188-708 | 48 | GLC-01266 | 89204-876 | 280 |
| 2 (60) | 28-400 | 37 x 86 | Black Phenolic PolyCone | --- | GLC-01293 | 76209-730 | 48 | --- | --- | --- |
| 4 (120) | 33-400 | 45 x 112 | Black Phenolic PolyCone | --- | GLC-01320 | 16188-741 | 24 | GLC-01318 | 89204-878 | 120 |
| <hr/> | | | | | | | | | | |
| .50 (15) | 20-400 | 24 x 62 | Black Phenolic Rubber | --- | GLC-01245 | 16188-504 | 48 | --- | --- | --- |
| 1 (30) | 24-400 | 30 x 72 | Black Phenolic Rubber | --- | GLC-01265 | 16188-526 | 48 | --- | --- | --- |
| 2 (60) | 28-400 | 37 x 86 | Black Phenolic Rubber | --- | GLC-01289 | 16188-548 | 48 | --- | --- | --- |
| 4 (120) | 33-400 | 45 x 112 | Black Phenolic Rubber | --- | GLC-01316 | 16188-560 | 24 | --- | --- | --- |
| 8 (240) | 43-400 | 51 x 137 | Black Phenolic Rubber | --- | GLC-01341 | 16188-581 | 24 | --- | --- | --- |
| 16 (480) | 48-400 | 62 x 167 | Black Phenolic Rubber | --- | GLC-05987 | 93001-634 | 24 | --- | --- | --- |
| <hr/> | | | | | | | | | | |
| 8 (240) | 43-400 | 51 x 137 | Black Phenolic Solid PE | --- | GLC-01347 | 16188-854 | 24 | GLC-01345 | 11311-504 | 84 |
| 16 (480) | 48-400 | 62 x 167 | Black Phenolic Solid PE | --- | GLC-01373 | 16188-876 | 24 | GLC-01370 | 89204-870 | 40 |
| 32 (960) | 58-400 | 83 x 202 | Black Phenolic Solid PE | --- | GLC-01394 | 16188-899 | 12 | GLC-01392 | 11311-508 | 24 |

*Approximate dimensions without cap

CLEAR FRENCH SQUARES (CONTINUED)

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 4 (120) | 33-400 | 45 x 112 | ValuLine White PP F217 & PTFE | — | 242347 | 76170-420 | 24 | — | — | — |
| 1 (30) | 24-400 | 30 x 72 | Polypropylene with PTFE Disc | — | GLC-01255 | 36319-187 | 48 | — | — | — |
| 2 (60) | 28-400 | 37 x 86 | Polypropylene with PTFE Disc | — | GLC-01281 | 76209-738 | 48 | — | — | — |
| 4 (120) | 33-400 | 45 x 112 | Polypropylene with PTFE Disc | — | GLC-01307 | 16151-408 | 24 | — | — | — |
| 8 (240) | 43-400 | 51 x 137 | Polypropylene with PTFE Disc | — | GLC-01331 | 36319-271 | 24 | — | — | — |
| 16 (480) | 48-400 | 62 x 167 | Polypropylene with PTFE Disc | — | GLC-01360 | 36319-274 | 24 | — | — | — |
| 32 (960) | 58-400 | 83 x 202 | Polypropylene with PTFE Disc | — | GLC-01384 | 36319-282 | 12 | — | — | — |
| .50 (15) | 20-400 | 24 x 62 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01243 | 36319-756 | 48 | — | — | — |
| 1 (30) | 24-400 | 30 x 72 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01263 | 36319-757 | 48 | — | — | — |
| 2 (60) | 28-400 | 37 x 86 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01287 | 36319-758 | 48 | — | — | — |
| 4 (120) | 33-400 | 45 x 112 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01314 | 36319-759 | 24 | — | — | — |
| 8 (240) | 43-400 | 51 x 137 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01339 | 36319-760 | 24 | — | — | — |
| 16 (480) | 48-400 | 62 x 167 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01367 | 36319-761 | 24 | — | — | — |
| 32 (960) | 58-400 | 83 x 202 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01391 | 36319-802 | 12 | — | — | — |
| 1 (30) | 24-400 | 30 x 72 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-01274 | 36319-711 | 48 | — | — | — |
| 2 (60) | 28-400 | 37 x 86 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-01300 | 36319-712 | 48 | GLC-01306 | 36319-755 | 144 |
| 4 (120) | 33-400 | 45 x 112 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-01328 | 36319-713 | 24 | — | — | — |
| 8 (240) | 43-400 | 51 x 137 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-01356 | 36319-714 | 24 | GLC-01353 | 16218-278 | 84 |
| 4 (120) | 33-400 | 45 x 112 | Black Phenolic PolyCone | Vacuum & Ionized | — | — | — | GLC-01319 | 89201-532 | 120 |
| 4 (120) | 33-400 | 45 x 112 | Black Phenolic Solid PE | Vacuum & Ionized | — | — | — | GLC-01322 | 89204-874 | 120 |
| 8 (240) | 43-400 | 51 x 137 | Black Phenolic Solid PE | Vacuum & Ionized | — | — | — | GLC-01346 | 76041-652 | 84 |
| 16 (480) | 48-400 | 62 x 167 | Black Phenolic Solid PE | Vacuum & Ionized | — | — | — | GLC-01372 | 89204-872 | 40 |
| 32 (960) | 58-400 | 83 x 202 | Black Phenolic Solid PE | Vacuum & Ionized | — | — | — | GLC-01393 | 11311-418 | 24 |

CLEAR SQUARE TABLET BOTTLES

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|----------------------------|---------------------|-----------------|--------------|-----------|
| 8 (240) | 58-400 | 56 x 137 | — | — | GLA-00825 | 16087-010 | 288 |
| 16 (480) | 63-400 | 69 x 169 | — | — | GLA-00828 | 16087-012 | 144 |
| 1 (30) | 33-400 | 34 x 60 | Green Theroset F217 & PTFE | — | GLC-01275 | 16188-288 | 288 |
| 2 (60) | 33-400 | 42 x 85 | Green Theroset F217 & PTFE | — | GLC-01302 | 16188-302 | 144 |
| 1 (30) | 33-400 | 34 x 60 | Black Phenolic Pulp/Vinyl | — | GLC-01279 | 16188-286 | 288 |
| 2 (60) | 33-400 | 42 x 85 | Black Phenolic Pulp/Vinyl | — | GLC-01305 | 16188-300 | 144 |
| 1 (30) | 33-400 | 34 x 60 | Black Phenolic PolyCone | — | GLC-01277 | 16188-287 | 288 |
| 2 (60) | 33-400 | 42 x 85 | Black Phenolic PolyCone | — | GLC-04869 | 93001-652 | 144 |
| 1 (30) | 33-400 | 34 x 60 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01276 | 36319-800 | 288 |
| 2 (60) | 33-400 | 42 x 85 | Green Theroset F217 & PTFE | Vacuum & Ionized | GLC-01303 | 36319-801 | 144 |



CLEAR SQUARE TABLET BOTTLES

- Provide maximum content visibility
- Feature a space saving design for bench tops with limited storage space
- Suggested for mixing, storing, and sampling
- See inside back cover for complete descriptions of our Value Added Services

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.



BOTTLE BEAKERS® - CLEAR GRADUATED MEDIUM ROUNDS

- Can be used for storing industrial laboratory chemicals and reagents
- Molded graduations in ml and oz
- Designed with a slight shoulder for easy pouring and handling
- Mix, measure, and store in the same container
- See inside back cover for complete descriptions of our Value Added Services



BOTTLE BEAKERS® - CLEAR GRADUATED MEDIUM ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 33-400 | 34 x 68 | --- | --- | GLA-00841 | 82023-838 | 48 | GLA-00840 | 16218-188 | 432 |
| 2 (60) | 38-400 | 42 x 83 | --- | --- | GLA-00843 | 16151-620 | 48 | GLA-00842 | 16218-190 | 288 |
| 4 (120) | 48-400 | 51 x 102 | --- | --- | GLA-00845 | 16151-622 | 24 | GLA-00844 | 16218-192 | 144 |
| 8 (240) | 58-400 | 62 x 127 | --- | --- | GLA-00847 | 16151-624 | 24 | GLA-00846 | 16195-891 | 96 |
| 16 (480) | 70-400 | 76 x 145 | --- | --- | GLA-00849 | 16151-626 | 24 | GLA-00848 | 16087-030 | 48 |
| 1 (30) | 33-400 | 34 x 68 | Green Thermoset F217 & PTFE | --- | GLC-01450 | 16194-256 | 48 | --- | --- | --- |
| 2 (60) | 38-400 | 42 x 83 | Green Thermoset F217 & PTFE | --- | GLC-01472 | 16194-278 | 48 | GLC-01470 | 18087-092 | 288 |
| 4 (120) | 48-400 | 51 x 102 | Green Thermoset F217 & PTFE | --- | GLC-01504 | 16194-290 | 24 | GLC-01502 | 18087-094 | 144 |
| 8 (240) | 58-400 | 62 x 127 | Green Thermoset F217 & PTFE | --- | GLC-01532 | 16194-314 | 24 | GLC-01531 | 16085-225 | 96 |
| 16 (480) | 70-400 | 76 x 145 | Green Thermoset F217 & PTFE | --- | GLC-01560 | 16194-336 | 24 | GLC-01559 | 18087-096 | 48 |
| 1 (30) | 33-400 | 34 x 68 | Black Phenolic Pulp/Vinyl | --- | GLC-01466 | 16194-008 | 48 | GLC-01464 | 16194-019 | 432 |
| 2 (60) | 38-400 | 42 x 83 | Black Phenolic Pulp/Vinyl | --- | GLC-01493 | 16194-020 | 48 | GLC-01491 | 16194-030 | 288 |
| 4 (120) | 48-400 | 51 x 102 | Black Phenolic Pulp/Vinyl | --- | GLC-01523 | 16194-041 | 24 | GLC-01521 | 16194-052 | 144 |
| 16 (480) | 70-400 | 76 x 145 | Black Phenolic Pulp/Vinyl | --- | GLC-01575 | 16194-085 | 24 | GLC-01574 | 16194-096 | 48 |
| 1 (30) | 33-400 | 34 x 68 | Black Phenolic PolyCone | --- | GLC-01461 | 16194-609 | 48 | GLC-01460 | 16194-021 | 432 |
| 2 (60) | 38-400 | 42 x 83 | Black Phenolic PolyCone | --- | GLC-01485 | 16194-620 | 48 | GLC-01483 | 16194-031 | 288 |
| 1 (30) | 33-400 | 34 x 68 | Black Phenolic Rubber | --- | GLC-01456 | 16194-857 | 48 | --- | --- | --- |
| 2 (60) | 38-400 | 42 x 83 | Black Phenolic Rubber | --- | GLC-01479 | 16194-879 | 48 | --- | --- | --- |
| 4 (120) | 48-400 | 51 x 102 | Black Phenolic Rubber | --- | --- | --- | --- | GLC-14339 | 89136-590 | 144 |
| 2 (60) | 38-400 | 42 x 83 | Black Phenolic Solid PE | --- | --- | --- | --- | GLC-01486 | 16085-224 | 288 |
| 4 (120) | 48-400 | 51 x 102 | Black Phenolic Solid PE | --- | GLC-01518 | 16194-722 | 24 | GLC-01516 | 16085-226 | 144 |
| 8 (240) | 58-400 | 62 x 127 | Black Phenolic Solid PE | --- | GLC-01547 | 16194-744 | 24 | --- | --- | --- |
| 16 (480) | 70-400 | 76 x 145 | Black Phenolic Solid PE | --- | GLC-01571 | 16194-766 | 24 | --- | --- | --- |
| 2 (60) | 38-400 | 42 x 83 | ValuLine White PP F217 & PTFE | --- | 239220 | 76170-354 | 48 | --- | --- | --- |
| 4 (120) | 48-400 | 51 x 102 | ValuLine White PP F217 & PTFE | --- | 239221 | 76170-398 | 24 | --- | --- | --- |
| 8 (240) | 58-400 | 62 x 127 | ValuLine White PP F217 & PTFE | --- | 239217 | 76170-348 | 24 | --- | --- | --- |
| 16 (480) | 70-400 | 76 x 145 | ValuLine White PP F217 & PTFE | --- | 239218 | 76170-350 | 24 | --- | --- | --- |
| 4 (120) | 48-400 | 51 x 102 | Polypropylene with PTFE Disc | --- | GLC-01499 | 36319-317 | 24 | --- | --- | --- |
| 1 (30) | 33-400 | 34 x 68 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01453 | 36319-795 | 48 | --- | --- | --- |
| 2 (60) | 38-400 | 42 x 83 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01475 | 36319-796 | 48 | --- | --- | --- |
| 4 (120) | 48-400 | 51 x 102 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01507 | 36319-797 | 24 | --- | --- | --- |
| 8 (240) | 58-400 | 62 x 127 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01535 | 36319-798 | 24 | --- | --- | --- |
| 16 (480) | 70-400 | 76 x 145 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01563 | 36319-799 | 24 | --- | --- | --- |
| 1 (30) | 33-400 | 34 x 68 | Black Phenolic Solid PE | Vacuum & Ionized | --- | --- | --- | GLC-05026 | 11311-480 | 432 |
| 4 (120) | 48-400 | 51 x 102 | Black Phenolic Solid PE | Vacuum & Ionized | --- | --- | --- | GLC-01517 | 11311-180 | 144 |
| 8 (240) | 58-400 | 62 x 127 | Black Phenolic Solid PE | Vacuum & Ionized | --- | --- | --- | GLC-01546 | 89204-882 | 96 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

CLEAR TALL STRAIGHT SIDED ROUNDS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|------------------------------|--|-----------------|--------------|-----------|
| 8 (240) | 58-400 | 56 x 137 | — | — | GLA-00860 | 36318-800 | 24 |
| 16 (480) | 63-400 | 69 x 169 | — | — | GLA-00866 | 16195-893 | 12 |
| 8 (240) | 58-400 | 56 x 137 | Green Thermoset F217 & PTFE | — | GLC-01658 | 16152-314 | 24 |
| 16 (480) | 63-400 | 69 x 169 | Green Thermoset F217 & PTFE | — | GLC-05728 | 16152-318 | 12 |
| 8 (240) | 58-400 | 56 x 137 | Polypropylene with PTFE Disc | — | GLC-01656 | 36319-132 | 24 |
| 16 (480) | 63-400 | 69 x 169 | Polypropylene with PTFE Disc | — | GLC-01708 | 16054-164 | 12 |
| 8 (240) | 58-400 | 56 x 137 | PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01654 | 16054-196 | 24 |
| 16 (480) | 63-400 | 69 x 169 | PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01709 | 16054-198 | 12 |



TALL STRAIGHT SIDED ROUNDS

- Suggested for sampling
- Designed without shoulders to provide maximum storage and visibility
- See inside back cover for complete descriptions of our Value Added Services

AMBER STRAIGHT SIDED ROUNDS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-------------------------------|-----------------|--------------|-----------|
| 4 (120) | 58-400 | 60 x 69 | — | 260300 | 75878-402 | 24 |
| 8 (240) | 70-400 | 73 x 89 | — | 262559 | 75878-404 | 12 |
| 16 (480) | 89-400 | 91 x 96 | — | 265844 | 75878-406 | 12 |
| 2 (60) | 53-400 | 55 x 49 | Green Thermoset F217 & PTFE | 271837 | 75879-226 | 24 |
| 4 (120) | 58-400 | 60 x 69 | Green Thermoset F217 & PTFE | 270409 | 75879-228 | 24 |
| 8 (240) | 70-400 | 73 x 89 | Green Thermoset F217 & PTFE | 270403 | 75879-230 | 12 |
| 16 (480) | 89-400 | 91 x 96 | Green Thermoset F217 & PTFE | 270229 | 75879-232 | 12 |
| 32 (960) | 89-400 | 95 x 170 | Green Thermoset F217 & PTFE | 270406 | 75878-494 | 12 |
| 2 (60) | 53-400 | 55 x 49 | ValuLine White PP F217 & PTFE | 271835 | 75878-496 | 24 |
| 4 (120) | 58-400 | 60 x 69 | ValuLine White PP F217 & PTFE | 270408 | 75878-498 | 24 |
| 8 (240) | 70-400 | 73 x 89 | ValuLine White PP F217 & PTFE | 270402 | 75878-500 | 12 |
| 16 (480) | 89-400 | 91 x 96 | ValuLine White PP F217 & PTFE | 270219 | 75878-502 | 12 |



AMBER STRAIGHT SIDED ROUNDS

- Multi-purpose and versatile
- Suggested for light-sensitive products
- Designed without shoulders for maximum storage capacity

NEW

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information..

QORPAK CONVENIENCE PACK ADVANTAGE

- Full height partitions and top pads are used to minimize breakage on most styles of glass bottles
- Pressure sensitive labels are included for easy product identification
- Each carton is barcoded with a catalog number and description for easy reordering
- Packed in small quantities... the way you use them
- Packages are lightweight, easy to handle and store
- Available only for select in stock items marked as convenience packs





CLEAR STANDARD WIDE MOUTHS

- Feature a wide opening
- Suggested as a general purpose bottle
- Applications include pharmaceutical, chemical, environmental, and food packaging and storage
- See inside back cover for complete descriptions of our Value Added Services

CLEAR STANDARD WIDE MOUTHS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-------------------------------|---------------------|-----------------|--------------|-----------|
| 4 (120) | 48-400 | 51 x 86 | --- | --- | GLA-00869 | 16195-780 | 24 |
| 8 (240) | 58-400 | 62 x 109 | --- | --- | GLA-00871 | 16195-805 | 24 |
| 16 (480) | 63-400 | 79 x 133 | --- | --- | GLA-00875 | 16195-830 | 12 |
| 32 (960) | 70-400 | 93 x 180 | --- | --- | 261438 | 10022-242 | 12 |
| 64 (1,920) | 83-400 | 124 x 214 | --- | --- | GLA-00882 | 16195-860 | 6 |
| 128 (3,785) | 89-400 | 157 x 256 | --- | --- | GLA-00883 | 16195-871 | 4 |
| <hr/> | | | | | | | |
| 4 (120) | 48-400 | 51 x 86 | Green Thermoset F217 & PTFE | --- | GLC-01743 | 89204-688 | 24 |
| 8 (240) | 58-400 | 62 x 109 | Green Thermoset F217 & PTFE | --- | GLC-01770 | 16196-207 | 24 |
| 16 (480) | 63-400 | 79 x 133 | Green Thermoset F217 & PTFE | --- | GLC-01800 | 16196-229 | 24 |
| 32 (960) | 70-400 | 93 x 180 | Green Thermoset F217 & PTFE | --- | GLC-01833 | 16196-240 | 12 |
| 64 (1,920) | 83-400 | 124 x 214 | Green Thermoset F217 & PTFE | --- | GLC-01858 | 16196-262 | 6 |
| 128 (3,785) | 89-400 | 157 x 256 | Green Thermoset F217 & PTFE | --- | GLC-01882 | 16196-284 | 4 |
| <hr/> | | | | | | | |
| 4 (120) | 48-400 | 51 x 86 | Black Phenolic Pulp/Vinyl | --- | GLC-01755 | 89204-686 | 24 |
| 16 (480) | 63-400 | 79 x 133 | Black Phenolic Pulp/Vinyl | --- | GLC-01813 | 16193-810 | 24 |
| 32 (960) | 70-400 | 93 x 180 | Black Phenolic Pulp/Vinyl | --- | GLC-01848 | 16193-843 | 12 |
| 64 (1,920) | 83-400 | 124 x 214 | Black Phenolic Pulp/Vinyl | --- | GLC-01872 | 16193-876 | 6 |
| 128 (3,785) | 89-400 | 157 x 256 | Black Phenolic Pulp/Vinyl | --- | GLC-01894 | 16193-901 | 4 |
| <hr/> | | | | | | | |
| 4 (120) | 48-400 | 51 x 86 | Black Phenolic Solid PE | --- | GLC-01750 | 16081-043 | 24 |
| 8 (240) | 58-400 | 62 x 109 | Black Phenolic Solid PE | --- | GLC-01779 | 16081-050 | 24 |
| 16 (480) | 63-400 | 79 x 133 | Black Phenolic Solid PE | --- | GLC-01809 | 16085-230 | 24 |
| 32 (960) | 70-400 | 93 x 180 | Black Phenolic Solid PE | --- | GLC-01843 | 16085-232 | 12 |
| 64 (1,920) | 83-400 | 124 x 214 | Black Phenolic Solid PE | --- | GLC-01870 | 16085-234 | 6 |
| <hr/> | | | | | | | |
| 32 (960) | 70-400 | 93 x 180 | ValuLine White PP F217 & PTFE | --- | 241205 | 76170-414 | 12 |
| <hr/> | | | | | | | |
| 16 (480) | 63-400 | 79 x 133 | White Metal Plastisol | --- | GLC-01808 | 16087-306 | 24 |
| 64 (1,920) | 70-400 | 124 x 214 | White Metal Plastisol | --- | GLC-01840 | 46300-554 | 12 |

*Approximate dimensions without cap

OORPAK BOTTLES WITH CAPS ATTACHED

- **Saves you time** – no more searching for the proper size cap.
- **Prevents mistakes** – the right liner in the right cap on the right bottle.
- **Reduces carton dust** – dust cannot get inside the bottle or behind the liner.
- **Simplifies ordering** – consolidates two inventory items into one.



CLEAR STANDARD WIDE MOUTHS (CONTINUED)

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|--------------------------------|--|-----------------|--------------|-----------|
| 8 (240) | 58-400 | 62 x 109 | White Metal Pulp/Aluminum Foil | --- | GLC-01775 | 16193-388 | 24 |
| 16 (480) | 63-400 | 79 x 133 | White Metal Pulp/Aluminum Foil | --- | GLC-01805 | 16193-402 | 24 |
| 4 (120) | 48-400 | 51 x 86 | Polypropylene with PTFE Disc | --- | GLC-01738 | 89204-694 | 24 |
| 8 (240) | 58-400 | 62 x 109 | Polypropylene with PTFE Disc | --- | GLC-01761 | 16054-168 | 24 |
| 16 (480) | 63-400 | 79 x 133 | Polypropylene with PTFE Disc | --- | GLC-01791 | 16054-170 | 24 |
| 32 (960) | 70-400 | 94 x 177 | Polypropylene with PTFE Disc | --- | GLC-01827 | 36319-226 | 12 |
| 64 (1,920) | 83-400 | 124 x 214 | Polypropylene with PTFE Disc | --- | GLC-01853 | 16054-166 | 6 |
| 128 (3,785) | 89-400 | 157 x 256 | Polypropylene with PTFE Disc | --- | GLC-01877 | 36319-248 | 4 |
| 4 (120) | 48-400 | 51 x 86 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01746 | 89204-698 | 24 |
| 8 (240) | 58-400 | 62 x 109 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01773 | 36319-790 | 24 |
| 16 (480) | 63-400 | 79 x 133 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01803 | 36319-791 | 24 |
| 32 (960) | 70-400 | 94 x 177 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01836 | 36319-792 | 12 |
| 64 (1,920) | 83-400 | 124 x 214 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01861 | 36319-793 | 6 |
| 128 (3,785) | 89-400 | 157 x 256 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01885 | 36319-794 | 4 |
| 4 (120) | 48-400 | 51 x 86 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01737 | 93001-560 | 24 |
| 8 (240) | 58-400 | 62 x 109 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01762 | 89176-848 | 12 |
| 16.5 (488) | 70-450 | 78 x 1335 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01792 | 89176-850 | 12 |
| 32 (960) | 70-400 | 94 x 177 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01825 | 16054-206 | 12 |
| 128 (3,785) | 89-400 | 157 x 256 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | 246341 | 10053-746 | 4 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

CLEAR COMPOSITE TEST JARS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-----------------------------|---------------------|-----------------|--------------|-----------|
| 2.5 (75) | 43-400 | 45 x 77 | --- | --- | GLA-00852 | 16087-016 | 180 |
| 2.5 (75) | 43-400 | 45 x 77 | Green Thermoset F217 & PTFE | --- | GLC-01600 | 16195-884 | 180 |
| 2.5 (75) | 43-400 | 45 x 77 | Black Phenolic Pulp/Vinyl | --- | GLC-01603 | 16195-882 | 180 |



CLEAR COMPOSITE TEST JARS

- Suggested for sampling
- Provide maximum content visibility
- Designed without shoulders for maximum storage capacity
- See inside back cover for complete descriptions of our Value Added Services



CLEAR STRAIGHT SIDED ROUNDS

- Designed without shoulders for maximum storage capacity and content visibility
- See inside back cover for complete descriptions of our Value Added Services

CLEAR STRAIGHT SIDED ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|---------------------|----------------|----------------------------|-------------------------------|------------------------|--------------------|-----------------|------|--------------------|-----------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 43-400 | 43 x 43 | --- | --- | --- | --- | --- | GLA-00850 | 16218-176 | 384 |
| 2 (60) | 53-400 | 55 x 49 | --- | --- | --- | --- | --- | GLA-00853 | 16218-178 | 144 |
| 4 (120) | 58-400 | 60 x 68 | --- | --- | GLA-00857 | 16195-772 | 24 | --- | --- | --- |
| 6 (180) | 63-400 | 65 x 79 | --- | --- | GLA-00859 | 16218-180 | 24 | --- | --- | --- |
| 8 (240) | 70-400 | 73 x 89 | --- | --- | GLA-00861 | 16195-770 | 24 | --- | --- | --- |
| 16 (480) | 89-400 | 91 x 96 | --- | --- | GLA-00864 | 16195-771 | 12 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | --- | --- | GLA-00867 | 16218-182 | 12 | --- | --- | --- |
| 1 (30) | 43-400 | 43 x 43 | Green Thermoset F217 & PTFE | --- | GLC-01586 | 16195-306 | 48 | --- | --- | --- |
| 2 (60) | 53-400 | 55 x 49 | Green Thermoset F217 & PTFE | --- | GLC-01611 | 16195-328 | 24 | --- | --- | --- |
| 4 (120) | 58-400 | 60 x 68 | Green Thermoset F217 & PTFE | --- | GLC-01634 | 16195-340 | 24 | --- | --- | --- |
| 8 (240) | 70-400 | 73 x 89 | Green Thermoset F217 & PTFE | --- | GLC-01672 | 16195-361 | 24 | --- | --- | --- |
| 16 (480) | 89-400 | 91 x 96 | Green Thermoset F217 & PTFE | --- | GLC-01692 | 16195-383 | 12 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | Green Thermoset F217 & PTFE | --- | GLC-01721 | 16195-408 | 12 | --- | --- | --- |
| 1 (30) | 43-400 | 43 x 43 | Black Phenolic Pulp/Vinyl | --- | GLC-01596 | 16195-022 | 48 | GLC-01595 | 16195-033 | 384 |
| 2 (60) | 53-400 | 55 x 49 | Black Phenolic Pulp/Vinyl | --- | --- | --- | --- | GLC-01623 | 16195-055 | 144 |
| 8 (240) | 70-400 | 73 x 89 | Black Phenolic Pulp/Vinyl | --- | GLC-01681 | 16195-088 | 24 | --- | --- | --- |
| 16 (480) | 89-400 | 91 x 96 | Black Phenolic Pulp/Vinyl | --- | GLC-01705 | 16195-102 | 12 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | Black Phenolic Pulp/Vinyl | --- | GLC-01732 | 16194-100 | 12 | --- | --- | --- |
| 1 (30) | 43-400 | 43 x 43 | Black Phenolic Solid PE | --- | GLC-01592 | 16195-667 | 48 | --- | --- | --- |
| 2 (60) | 53-400 | 55 x 49 | Black Phenolic Solid PE | --- | GLC-01620 | 16195-689 | 24 | --- | --- | --- |
| 4 (120) | 58-400 | 60 x 68 | Black Phenolic Solid PE | --- | GLC-01642 | 16195-703 | 24 | --- | --- | --- |
| 8 (240) | 70-400 | 73 x 89 | Black Phenolic Solid PE | --- | GLC-01677 | 16195-725 | 24 | --- | --- | --- |
| 16 (480) | 89-400 | 91 x 96 | Black Phenolic Solid PE | --- | GLC-01700 | 16195-747 | 12 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | Black Phenolic Solid PE | --- | GLC-01728 | 16195-769 | 12 | --- | --- | --- |
| 2 (60) | 53-400 | 55 x 49 | ValuLine White PP F217 & PTFE | --- | 239224 | 76170-402 | 24 | --- | --- | --- |
| 4 (120) | 58-400 | 60 x 68 | ValuLine White PP F217 & PTFE | --- | 239225 | 16153-225 | 24 | --- | --- | --- |
| 6 (180) | 63-400 | 65 x 79 | ValuLine White PP F217 & PTFE | --- | 239227 | 16153-227 | 24 | --- | --- | --- |
| 8 (240) | 70-400 | 73 x 89 | ValuLine White PP F217 & PTFE | --- | 239228 | 10847-280 | 24 | --- | --- | --- |
| 16 (480) | 89-400 | 91 x 96 | ValuLine White PP F217 & PTFE | --- | 239229 | 10796-434 | 12 | --- | --- | --- |
| 1 (30) | 43-400 | 43 x 43 | Polypropylene with PTFE Disc | --- | GLC-01582 | 89204-942 | 48 | --- | --- | --- |
| 2 (60) | 53-400 | 55 x 49 | Polypropylene with PTFE Disc | --- | GLC-01605 | 16054-140 | 24 | --- | --- | --- |
| 4 (120) | 58-400 | 60 x 68 | Polypropylene with PTFE Disc | --- | GLC-01629 | 36319-111 | 24 | --- | --- | --- |
| 8 (240) | 70-400 | 73 x 89 | Polypropylene with PTFE Disc | --- | GLC-01665 | 36319-232 | 24 | --- | --- | --- |
| 16 (480) | 89-400 | 91 x 96 | Polypropylene with PTFE Disc | --- | GLC-01684 | 16054-146 | 12 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | Polypropylene with PTFE Disc | --- | GLC-01717 | 36319-237 | 12 | --- | --- | --- |

*Approximate dimensions without cap

CLEAR STRAIGHT SIDED ROUNDS (CONTINUED)

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|------------------------------|--|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 43-400 | 43 x 43 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-01588 | 36319-780 | 48 | --- | --- | --- |
| 2 (60) | 53-400 | 55 x 49 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-01613 | 36319-781 | 24 | --- | --- | --- |
| 4 (120) | 58-400 | 60 x 68 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-01636 | 36319-782 | 24 | --- | --- | --- |
| 8 (240) | 70-400 | 73 x 89 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-01674 | 36319-783 | 24 | --- | --- | --- |
| 16 (480) | 89-400 | 91 x 96 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-01694 | 36319-784 | 12 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | Green ThermoSet F217 & PTFE | Vacuum & Ionized | GLC-01723 | 36319-785 | 12 | --- | --- | --- |
| 1 (30) | 43-400 | 43 x 43 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-01597 | 36319-734 | 48 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | Black Phenolic Solid PE | Vacuum & Ionized | GLC-01727 | 11311-492 | 12 | --- | --- | --- |
| 4 (120) | 58-400 | 60 x 68 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01628 | 16054-176 | 24 | --- | --- | --- |
| 8 (240) | 70-400 | 73 x 89 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01664 | 14002-387 | 24 | --- | --- | --- |
| 32 (960) | 89-400 | 95 x 170 | Polypropylene with PTFE Disc | Cleaned & Certified for Semi-Volatiles | GLC-01716 | 16054-182 | 12 | --- | --- | --- |

NEW

BOROSILICATE GLASS STRAIGHT SIDED ROUND JARS

One of our most popular jars is now available in Borosilicate Glass - suggested for critical applications where thermal stability, chemical corrosion resistance and durability are required.



CLEAR BOROSILICATE GLASS STRAIGHT SIDED ROUNDS

- Quickly identify our borosilicate jars from regular jars by the Qorpak logo on the bottom of the jar
- Clear borosilicate glass jars provide higher temperature resistance and content integrity assurance than regular glass

Qorpak EXCLUSIVE

CLEAR BOROSILICATE GLASS STRAIGHT SIDED ROUNDS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-----------------------------|-----------------|--------------|-----------|
| 8 (240) | 70-400 | 73 x 89 | --- | 268240 | 75871-638 | 12 |
| 8 (240) | 70-400 | 73 x 89 | Green ThermoSet F217 & PTFE | 271012 | 75871-668 | 12 |

*Approximate dimensions without cap

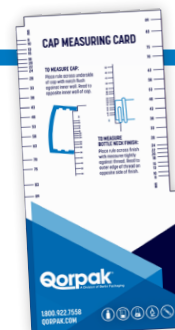
Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

QORPAK CAP MEASURER

MAKE CAP ORDERING A SNAP!

This two-sided card helps you measure cap sizes and bottle neck finishes with confidence. It includes a six inch ruler, guide to common neck finishes, and easy-to-find ordering information.

CALL 800.932.5000 TO REQUEST YOUR FREE QORPAK CAP MEASURER TODAY!





AMBER GLASS JUGS

- Easy-to-handle jugs have molded finger grips making this the perfect storage solution for large quantities of liquid
- Choose amber jugs for light sensitive products to protect against harmful UV rays
- See inside back cover for complete descriptions of our Value Added Services

AMBER GLASS JUGS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|------------------------------|---------------------|-----------------|--------------|-----------|
| 84 (2,500) | 38-430 | 137 x 310 | --- | --- | GLA-00907 | 16087-018 | 6 |
| 128 (3,785) | 38-400 | 165 x 304 | --- | --- | GLA-00906 | 16087-025 | 6 |
| 128 (3,785) | 38-400 | 165 x 304 | Green Thermoset F217 & PTFE | --- | GLC-02043 | 16142-468 | 6 |
| 128 (3,785) | 38-400 | 165 x 304 | Black Phenolic Pulp/Vinyl | --- | GLC-02054 | 16142-402 | 6 |
| 84 (2,500) | 38-430 | 137 x 310 | Black Phenolic Rubber Lined | --- | GLC-02065 | 16194-105 | 6 |
| 128 (3,785) | 38-400 | 165 x 304 | Black Phenolic Rubber Lined | --- | GLC-02046 | 16142-583 | 6 |
| 84 (2,500) | 38-430 | 137 x 310 | Polypropylene with PTFE Disc | --- | GLC-02058 | 36319-371 | 6 |
| 128 (3,785) | 38-400 | 165 x 304 | Polypropylene with PTFE Disc | --- | GLC-04890 | 18087-099 | 6 |
| 84 (2,500) | 38-430 | 137 x 310 | Black Phenolic F217 & PTFE | Vacuum & Ionized | GLC-07021 | 93000-934 | 6 |
| 128 (3,785) | 38-400 | 165 x 304 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-02045 | 36319-786 | 6 |
| 128 (3,785) | 38-400 | 165 x 304 | Black Phenolic Pulp/Vinyl | Vacuum & Ionized | GLC-02055 | 36319-743 | 6 |

SEE PLASTIC JUGS ON PAGE 30-32



CLEAR GLASS JUGS

- Easy-to-handle jugs have molded finger grips making this the perfect storage solution for large quantities of liquid
- See inside back cover for complete descriptions of our Value Added Services

CLEAR GLASS JUGS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|------------------------------|---------------------|-----------------|--------------|-----------|
| 64 (1,920) | 38-400 | 124 x 265 | --- | --- | GLA-00837 | 16218-238 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | --- | --- | GLA-00838 | 16218-186 | 4 |
| 64 (1,920) | 38-400 | 124 x 265 | Green Thermoset F217 & PTFE | --- | GLC-01408 | 16142-128 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | Green Thermoset F217 & PTFE | --- | GLC-01429 | 16142-140 | 4 |
| 64 (1,920) | 38-400 | 124 x 265 | Black Phenolic Pulp/Vinyl | --- | GLC-01420 | 16142-037 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | Black Phenolic Pulp/Vinyl | --- | GLC-01445 | 470147-498 | 4 |
| 64 (1,920) | 38-400 | 124 x 265 | Black Phenolic PolyCone | --- | GLC-01416 | 16142-285 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | Black Phenolic PolyCone | --- | GLC-01438 | 16142-300 | 4 |
| 64 (1,920) | 38-400 | 124 x 265 | Black Phenolic Rubber Lined | --- | GLC-01412 | 16152-164 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | Black Phenolic Rubber Lined | --- | GLC-01433 | 16152-166 | 4 |
| 64 (1,920) | 38-400 | 124 x 265 | PP Caps & PTFE Disc Attached | --- | GLC-01406 | 36319-368 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | PP Caps & PTFE Disc Attached | --- | GLC-01425 | 36319-374 | 4 |
| 64 (1,920) | 38-400 | 124 x 265 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01411 | 36319-786 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01432 | 36319-787 | 4 |
| 64 (1,920) | 38-400 | 124 x 265 | Green Thermoset F217 & PTFE | Ultra Clean | GLC-01410 | 16152-215 | 6 |
| 128 (3,785) | 38-400 | 166 x 293 | Green Thermoset F217 & PTFE | Ultra Clean | GLC-01431 | 16152-219 | 4 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

WHY USE SAFETY COATED GLASS

- **Prevent lab mishaps** - Bottles are slip resistant which gives technicians improved handling stability
- **Reduce breakage** - Impact-resistant coating means fewer broken bottles in the lab or in transit
- **Quick clean-up** - If a bottle breaks, the clear plastisol coating contains the acids, solvents, alcohols, surfactants, esters, ethers, and glass particles long enough to allow proper disposal
- **Helps ensure compliance** - Meets OSHA, D.O.T., and UPS requirements
- **Protects employees** - Safety coated glass removes some of the risk in dealing with certain chemicals and compounds



THE COATING THAT PREVENTS ACCIDENTS AND PROVIDES PEACE OF MIND

SAFETY COATED GLASS

SAFETY COATED AMBER BOSTON ROUNDS

- Protect contents from UV rays and is suggested for light sensitive products
- Plastisol coating contains the substance in the bottle long enough to allow for proper disposal
- Slip and impact resistant. Good for handling volatile substances



SAFETY COATED AMBER BOSTON ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | SAFETY COATED CONVENIENCE PACK | | | SAFETY COATED BULK PACK | | |
|------------------|-------------|-------------------------|-----------------------------|--------------------------------|--------------|------|-------------------------|--------------|------|
| | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 2 (60) | 20-400 | 39 x 94 | --- | --- | --- | --- | GLA-08639 | 89184-908 | 288 |
| 4 (120) | 22-400 | 48 x 112 | --- | --- | --- | --- | GLA-00951 | 93001-646 | 128 |
| 8 (240) | 24-400 | 60 x 138 | --- | GLA-00953 | 16150-900 | 24 | GLA-00952 | 16150-901 | 108 |
| 16 (480) | 28-400 | 75 x 168 | --- | GLA-00955 | 16150-904 | 12 | GLA-00954 | 16150-905 | 60 |
| 32 (960) | 33-400 | 94 x 210 | --- | --- | --- | --- | GLA-00956 | 16151-594 | 30 |
| 33 (1,000) | 33-430 | 96 x 217 | --- | GLA-00959 | 16150-950 | 12 | GLA-00958 | 16150-951 | 30 |
| 4 (120) | 22-400 | 48 x 112 | Green Thermoset F217 & PTFE | GLC-02249 | 16152-306 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | Green Thermoset F217 & PTFE | GLC-02255 | 16150-921 | 24 | --- | --- | --- |
| 16 (480) | 28-400 | 75 x 168 | Green Thermoset F217 & PTFE | --- | --- | --- | GLC-02261 | 89234-734 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Green Thermoset F217 & PTFE | GLC-02271 | 16150-927 | 12 | GLC-02270 | 89234-736 | 30 |
| 33 (1,000) | 33-430 | 96 x 217 | Black Phenolic F217 & PTFE | GLC-02279 | 16150-954 | 12 | --- | --- | --- |
| 2 (60) | 20-400 | 39 x 94 | Black Phenolic Pulp/Vinyl | GLC-08947 | 11311-542 | 24 | --- | --- | --- |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic Pulp/Vinyl | GLC-02253 | 16152-300 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | Black Phenolic Pulp/Vinyl | GLC-02260 | 16150-912 | 24 | --- | --- | --- |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic Pulp/Vinyl | GLC-02268 | 16150-915 | 12 | --- | --- | --- |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Pulp/Vinyl | GLC-02276 | 16150-918 | 12 | --- | --- | --- |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic PolyCone | GLC-02251 | 16152-302 | 24 | | | |
| 8 (240) | 24-400 | 60 x 138 | Black Phenolic PolyCone | GLC-02258 | 16150-930 | 24 | | | |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic PolyCone | GLC-02265 | 16150-933 | 12 | | | |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic PolyCone | GLC-02274 | 16150-936 | 12 | | | |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic Rubber | GLC-02250 | 16152-304 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 138 | Black Phenolic Rubber | GLC-02256 | 16150-931 | 24 | --- | --- | --- |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Rubber | GLC-02272 | 16150-937 | 12 | --- | --- | --- |

*Approximate dimensions without cap

Lead times & minimum orders may apply to Safety Coated Products. Please contact your VWR Sales Rep or call 800.932.5000 for more information.



SAFETY COATED CLEAR BOSTON ROUNDS

- Offer maximum visibility and sample integrity
- Safety coating protects the container from being affected by pressure build up
- Platisol coating contains the substance in the bottle long enough to allow for proper disposal
- Slip and impact resistant
- Perfect bottle for handling volatile substances

SAFETY COATED CLEAR BOSTON ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | SAFETY COATED CONVENIENCE PACK | | | SAFETY COATED BULK PACK | | |
|------------------|-------------|-------------------------|-----------------------------|--------------------------------|------------------|------|-------------------------|------------------|------|
| | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 4 (120) | 22-400 | 48 x 112 | --- | --- | --- | --- | GLA-04900 | 89204-884 | 160 |
| 8 (240) | 24-400 | 60 x 137 | --- | GLA-00936 | 16150-800 | 24 | GLA-00935 | 30617-128 | 108 |
| 16 (480) | 28-400 | 75 x 168 | --- | GLA-00938 | 16150-804 | 12 | GLA-00937 | 16150-805 | 60 |
| 32 (960) | 33-400 | 94 x 210 | --- | GLA-00940 | 16150-808 | 12 | GLA-00939 | 16150-809 | 30 |
| 8 (240) | 24-400 | 60 x 137 | Black Phenolic F217 & PTFE | GLC-02206 | 16150-821 | 24 | GLC-02213 | 30617-136 | 108 |
| 16 (480) | 28-400 | 75 x 168 | Green Thermoset F217 & PTFE | GLC-02216 | 16150-824 | 12 | --- | --- | --- |
| 32 (960) | 33-400 | 94 x 210 | Green Thermoset F217 & PTFE | GLC-02224 | 16150-827 | 12 | --- | --- | --- |
| 4 (120) | 22-400 | 48 x 112 | Black Phenolic Pulp/Vinyl | GLC-08926 | 11311-500 | 24 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 137 | Black Phenolic Pulp/Vinyl | GLC-02214 | 16150-812 | 24 | --- | --- | --- |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic Pulp/Vinyl | GLC-02222 | 16150-815 | 12 | --- | --- | --- |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Pulp/Vinyl | GLC-02231 | 16150-818 | 12 | --- | --- | --- |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic PolyCone | GLC-02219 | 16150-833 | 12 | GLC-02218 | 15001-118 | 60 |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic PolyCone | GLC-02227 | 16150-836 | 12 | --- | --- | --- |
| 8 (240) | 24-400 | 60 x 137 | Black Phenolic Rubber | GLC-02207 | 16150-831 | 24 | --- | --- | --- |
| 16 (480) | 28-400 | 75 x 168 | Black Phenolic Rubber | GLC-02217 | 16150-834 | 12 | --- | --- | --- |
| 32 (960) | 33-400 | 94 x 210 | Black Phenolic Rubber | GLC-02225 | 16150-837 | 12 | --- | --- | --- |



SAFETY COATED AMBER WIDE MOUTH PACKERS

- Protect contents from UV rays and is suggested for light sensitive products
- Platisol coating contains the substance in the bottle long enough to allow for proper disposal
- Slip and impact resistant
- Good for handling volatile substances

SAFETY COATED AMBER WIDE MOUTH PACKERS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|-----------------------------|------------------|------------------|-----------|
| 8.5 (250) | 45-400 | 65 x 119 | --- | GLA-00964 | 16180-880 | 24 |
| 17 (500) | 53-400 | 81 x 146 | --- | GLA-00966 | 16180-883 | 12 |
| 32 (950) | 53-400 | 99 x 178 | --- | GLA-00968 | 16180-886 | 12 |
| 84 (2,500) | 70-400 | 140 x 239 | --- | GLA-07053 | 93001-740 | 12 |
| 8.5 (250) | 45-400 | 65 x 119 | Green Thermoset F217 & PTFE | GLC-02283 | 16180-903 | 24 |
| 17 (500) | 53-400 | 81 x 146 | Green Thermoset F217 & PTFE | GLC-02286 | 16180-904 | 12 |
| 32 (950) | 53-400 | 99 x 178 | Green Thermoset F217 & PTFE | GLC-02290 | 16180-906 | 12 |
| 84 (2,500) | 70-400 | 140 x 239 | Green Thermoset F217 & PTFE | GLC-02295 | 16085-028 | 4 |
| 8.5 (250) | 45-400 | 65 x 119 | Black Phenolic Pulp/Vinyl | GLC-02285 | 16180-892 | 24 |
| 17 (500) | 53-400 | 81 x 146 | Black Phenolic Pulp/Vinyl | GLC-02289 | 16180-895 | 12 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to Safety Coated Products. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

SAFETY COATED CLEAR MEDIUM ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|-----------------------------|------------------|------------------|-----------|
| 16 (480) | 70-400 | 76 x 145 | — | GLA-00945 | 16194-900 | 24 |
| 16 (480) | 70-400 | 76 x 145 | Green Thermoset F217 & PTFE | GLC-02236 | 16194-909 | 24 |
| 8 (240) | 70-400 | 73 x 89 | Black Phenolic Pulp/Vinyl | GLC-02242 | 16195-113 | 24 |
| 16 (480) | 70-400 | 76 x 145 | Black Phenolic Pulp/Vinyl | GLC-02239 | 16194-906 | 24 |
| 8 (240) | 70-400 | 73 x 89 | White Metal Plastisol | GLC-05568 | 11311-116 | 24 |
| 16 (480) | 70-400 | 76 x 145 | White Metal Plastisol | GLC-07402 | 11311-112 | 48 |



SAFETY COATED CLEAR MEDIUM ROUNDS

- Less breakage and lab mishaps
- Plastisol coating contains the substance in the bottle long enough to allow for proper disposal

SAFETY COATED CLEAR STANDARD WIDE MOUTHS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|-----------------------------|------------------|------------------|-----------|
| 32 (960) | 70-400 | 94 x 177 | — | 262201 | 10847-232 | 12 |
| 32 (960) | 70-400 | 94 x 177 | Green Thermoset F217 & PTFE | GLC-02245 | 16193-919 | 12 |
| 64 (1,920) | 83-400 | 124 x 214 | Green Thermoset F217 & PTFE | GLC-05729 | 16152-340 | 6 |
| 128 (3,785) | 89-400 | 157 x 256 | Green Thermoset F217 & PTFE | GLC-05731 | 16152-342 | 4 |
| 32 (960) | 70-400 | 94 x 177 | Black Phenolic Pulp/Vinyl | GLC-02247 | 16193-916 | 12 |



SAFETY COATED CLEAR STANDARD WIDE MOUTHS

- Wide opening makes them the ideal general purpose bottle for solid sampling
- Reduce breakage and lab mishaps with the clear plastisol coating to protect your employees

SAFETY COATED AMBER JUGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|----------------------------|------------------|------------------|-----------|
| 135 (4,000) | 38-439 | 158 x 341 | — | GLA-09010 | 10770-402 | 6 |
| 135 (4,000) | 38-439 | 158 x 34172 | Black Phenolic F217 & PTFE | 259410 | 10770-320 | 6 |



SAFETY COATED AMBER & CLEAR JUGS

- Molded finger grips make handling large bottles easy
- Amber glass protects against harmful UV rays
- Jugs are slip and impact resistant and are good for handling volatile substances

SAFETY COATED CLEAR JUGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|-------------------------|------------------|------------------|-----------|
| 84 (2,500) | 38-439 | 137 x 310 | — | GLA-00943 | 16053-961 | 6 |
| 84 (2,500) | 38-439 | 137 x 310 | White PP F422 HDPE Foam | GLC-02234 | 16053-962 | 6 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to Safety Coated Products. Please contact your VWR Sales Rep or call 800.932.5000 for more information.



NATURAL HDPE CYLINDERS

- Provide an excellent moisture barrier
- Perfect for handling liquid samples in the lab
- Feature a shoulder style that allows you to pour small quantities without spilling
- See inside back cover for complete descriptions of our Value Added Services



NATURAL HDPE CYLINDERS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|--------------------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 2 (60) | 24-410 | 34 x 92 | --- | --- | --- | --- | --- | PLA-03208 | 89204-906 | 900 |
| 4 (120) | 24-410 | 42 x 119 | --- | --- | --- | --- | --- | PLA-03211 | 89204-911 | 650 |
| 8 (240) | 24-410 | 51 x 157 | --- | --- | --- | --- | --- | PLA-03214 | 16218-155 | 336 |
| 16 (480) | 24-410 | 62 x 199 | --- | --- | --- | --- | --- | PLA-03217 | 16218-157 | 153 |
| 16 (480) | 28-400 | 62 x 200 | --- | --- | --- | --- | --- | PLA-03220 | 16087-139 | 153 |
| 32 (960) | 28-400 | 79 x 238 | --- | --- | --- | --- | --- | PLA-03224 | 16196-349 | 66 |
| 2 (60) | 24-410 | 34 x 92 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03389 | 89204-888 | 900 |
| 4 (120) | 24-410 | 42 x 119 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03401 | 89204-893 | 650 |
| 8 (240) | 24-410 | 51 x 157 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-04831 | 16087-289 | 336 |
| 16 (480) | 24-410 | 62 x 199 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03427 | 89204-894 | 153 |
| 16 (480) | 28-400 | 62 x 200 | White PP SturdeeSeal® PE Foam | --- | PLC-03434 | 16054-256 | 24 | PLC-03432 | 89204-886 | 153 |
| 32 (960) | 28-400 | 79 x 238 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03447 | 89204-896 | 66 |
| 32 (960) | 28-400 | 79 x 238 | Black Phenolic PolyCone | --- | --- | --- | --- | PLC-03443 | 89204-890 | 66 |
| 8 (240) | 24-410 | 51 x 157 | White PP SturdeeSeal® PE Foam | Cleaned & Certified for Metals | PLC-04873 | 93001-758 | 24 | --- | --- | --- |

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.



WHITE HDPE CYLINDERS

- Impact resistant
- Excellent moisture barrier and a degree of light protection



WHITE HDPE CYLINDERS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|--------------------|-----------------|--------------|-----------|
| 6 (180) | 24-410 | 45 x 151 | --- | PLA-05751 | 16087-404 | 300 |
| 32 (960) | 28-410 | 79 x 241 | --- | PLA-05755 | 89204-908 | 66 |



CLEAR PVC CYLINDERS

- Excellent resistance to oxygen permeation, oils, and good water barrier characteristics



CLEAR PVC CYLINDERS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-------------------------------|-----------------|--------------|-----------|
| 4 (120) | 20-410 | 41 x 120 | --- | PLA-05756 | 16087-414 | 559 |
| 8 (240) | 24-410 | 49 x 161 | --- | PLA-05757 | 30620-989 | 489 |
| 16 (480) | 28-410 | 63 x 194 | --- | PLA-05758 | 16087-417 | 243 |
| 32 (960) | 28-410 | 81 x 220 | --- | PLA-05759 | 75877-328 | 128 |
| 4 (120) | 20-410 | 41 x 120 | White PP SturdeeSeal® PE Foam | PLC-05771 | 82023-684 | 559 |

*Approximate dimensions without cap



NATURAL HDPE MODERN ROUNDS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|--------------------|-----------------|--------------|-----------|
| 16 (480) | 28-410 | 70 x 175 | — | PLA-03260 | 89204-898 | 135 |

NATURAL HDPE MODERN ROUNDS

- Features side panels to allow for label application
- Sloped shoulder of this bottle allows for maximum fill capacity



NATURAL HDPE WIDE MOUTH CYLINDERS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-------------------------------|-----------------|--------------|-----------|
| 12 (360) | 38-400 | 62 x 151 | — | PLA-03229 | 15712-222 | 216 |
| 12 (360) | 38-400 | 62 x 151 | White PP SturdeeSeal® PE Foam | PLC-06584 | 93001-658 | 216 |



NATURAL HDPE WIDE MOUTH CYLINDERS

- Added advantage of a wider opening



NYLON/PE BARRIER BOTTLES

| CAPACITY ML | NECK FINISH | COLOR | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|---------|-------------------------|-----------------------------|-----------------|--------------|-----------|
| 16 (480) | 28-400 | Natural | 70 x 174 | Green Thermoset F217 & PTFE | PLC-03741 | 16085-160 | 24 |
| 32 (960) | 28-400 | Natural | 88 x 198 | Green Thermoset F217 & PTFE | PLC-03744 | 16085-181 | 12 |

*Approximate dimensions without cap



NYLON/PE BARRIER BOTTLES

- Co-extruded within a polyethylene bottle banded together by an adhesive with protection for non-polar hydrocarbons
- No trace ingredients can get into the "sidewall maze"

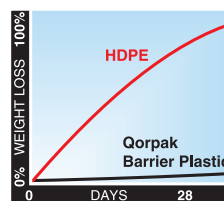


THE PLASTIC THAT PERFORMS LIKE GLASS

Until now, you had to choose between a container that was lightweight and impact resistant or one that could stop chemical permeation. Qorpak Plastic Barrier Bottles give you the benefits of plastic and the containment qualities necessary for handling most hydrocarbon-based chemicals.

QORPAK BARRIER PLASTIC CONTAINERS PROVIDE:

- A guard against product weight loss and permeation
- Improved product odor control
- A guard against discoloration of the container
- Enhanced container shape retention
- Many types of plastic can be Fluorinated to prevent paneling



Qorpak Barrier Plastic provides a barrier to permeation of hydrocarbon solvents 100 times better than high density polyethylene!

BARRIER RESINS (NYLON/PE AND FLUORINATED PLASTIC) HELP BOTTLES RETAIN THEIR SHAPE



HDPE



BARRIER PLASTIC



NATURAL HDPE WIDE MOUTH ROUNDS

- Suggested for general use with solids and powders
- Provide an excellent moisture barrier
- Impact resistant
- See inside back cover for complete descriptions of our Value Added Services



PLASTIC BOTTLES

NATURAL HDPE WIDE MOUTH ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|---------------------|----------------|-------------------------------|-------------------------------|--------------------------------|--------------------|-----------------|------|--------------------|-----------------|-------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 28-400 | 37 x 54 | --- | --- | --- | --- | --- | PLA-03313 | 16218-160 | 1,650 |
| 2 (60) | 33-400 | 40 x 75 | --- | --- | PLA-07047 | 15000-402 | 48 | PLA-03315 | 16218-139 | 850 |
| 4 (120) | 38-400 | 47 x 95 | --- | --- | PLA-07048 | 15000-404 | 48 | --- | --- | --- |
| 8 (240) | 48-400 | 610 x 109 | --- | --- | --- | --- | --- | PLA-10061 | 89009-336 | 250 |
| 8.5 (250) | 53-400 | 67 x 102 | --- | --- | PLA-07046 | 15000-400 | 48 | PLA-03317 | 16218-161 | 364 |
| 13.5 (400) | 53-400 | 69 x 134 | --- | --- | --- | --- | --- | PLA-03318 | 30617-144 | 192 |
| 32 (950) | 53-400 | 95 x 180 | --- | --- | --- | --- | --- | PLA-03321 | 16087-150 | 72 |
| 32 (950) | 63-400 | 94 x 178 | --- | --- | --- | --- | --- | PLA-03309 | 11311-234 | 72 |
| 64 (1,920) | 100-400 | 122 x 219 | --- | --- | --- | --- | --- | PLA-03311 | 89204-900 | 50 |
| 68 (2,000) | 89-400 | 124 x 217 | --- | --- | --- | --- | --- | PLA-03322 | 16218-167 | 50 |
| 128 (3,840)† | 89-400 | 155 x 252 | --- | --- | PLA-03312 | 16218-146 | 4 | PLA-06145 | 11311-364 | 60 |
| 1 (30) | 28-400 | 37 x 54 | Black Phenolic Pulp/Vinyl | --- | PLC-03554 | 16151-834 | 48 | --- | --- | --- |
| 2 (60) | 33-400 | 40 x 75 | Black Phenolic Pulp/Vinyl | --- | PLC-03563 | 16151-804 | 48 | --- | --- | --- |
| 4 (120) | 38-400 | 47 x 95 | Black Phenolic Pulp/Vinyl | --- | --- | --- | --- | PLC-03637 | 30618-710 | 475 |
| 68 (2,000) | 89-400 | 124 x 217 | Black Phenolic Pulp/Vinyl | --- | PLC-03618 | 16151-858 | 6 | PLC-07370 | 89204-902 | 50 |
| 128 (3,840)† | 89-400 | 155 x 252 | Black Phenolic Pulp/Vinyl | --- | PLC-03547 | 16151-818 | 4 | --- | --- | --- |
| 32 (950) | 63-400 | 94 x 178 | Black Phenolic Solid PE | --- | --- | --- | --- | PLC-03533 | 16085-238 | 72 |
| 1 (30) | 28-400 | 37 x 54 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03555 | 16081-060 | 1,650 |
| 2 (60) | 33-400 | 40 x 75 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03564 | 16081-059 | 850 |
| 4 (120) | 38-400 | 47 x 95 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03639 | 30618-712 | 475 |
| 8.5 (250) | 53-400 | 67 x 102 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03579 | 16081-044 | 364 |
| 16 (500) | 53-400 | 71 x 152 | White PP SturdeeSeal® PE Foam | --- | PLC-03596 | 10171-150 | 24 | PLC-03594 | 16081-041 | 180 |
| 32 (950) | 53-400 | 95 x 180 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03606 | 16081-035 | 72 |
| 32 (950) | 63-400 | 94 x 178 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03536 | 16087-310 | 72 |
| 68 (2,000) | 89-400 | 124 x 217 | White PP SturdeeSeal® PE Foam | --- | --- | --- | --- | PLC-03619 | 89085-344 | 50 |
| 128 (3,840)† | 89-400 | 155 x 252 | White PP SturdeeSeal® PE Foam | --- | PLC-03549 | 10171-148 | 4 | PLC-06146 | 11311-620 | 60 |
| 2 (60) | 33-400 | 40 x 75 | White PP Unlined | --- | --- | --- | --- | PLC-03568 | 89176-846 | 850 |
| 4 (120) | 38-400 | 47 x 95 | White PP SturdeeSeal® PE Foam | Cleaned & Certified for Metals | PLC-03645 | 93001-750 | 48 | --- | --- | --- |

*Approximate dimensions without cap

† 128 (3840) size has a collared neck

NATURAL LDPE BOSTON ROUNDS

- The perfect solution for liquid sample handling in a squeezable bottle



NATURAL LDPE BOSTON ROUNDS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------|------------------|--------------|------|-----------------|--------------|-------|
| | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 18-410 | 31 x 75 | --- | --- | --- | --- | PLA-03331 | 16807-132 | 1,550 |
| 2 (60) | 18-410 | 37 x 84 | --- | --- | --- | --- | PLA-03332 | 16087-134 | 850 |
| 4 (120) | 24-410 | 47 x 108 | --- | --- | --- | --- | PLA-03333 | 16218-142 | 480 |
| 8 (240) | 28-400 | 60 x 137 | --- | --- | --- | --- | PLA-03335 | 16218-141 | 252 |
| 16 (480) | 28-400 | 79 x 154 | --- | --- | --- | --- | PLA-03337 | 16218-144 | 140 |
| 1 (30) | 18-410 | 31 x 75 | Black Phenolic PolyCone | PLC-03655 | 16054-002 | 48 | --- | --- | --- |
| 2 (60) | 18-410 | 37 x 84 | Black Phenolic PolyCone | PLC-03661 | 16054-003 | 48 | --- | --- | --- |
| 4 (120) | 24-410 | 47 x 108 | Black Phenolic PolyCone | PLC-03668 | 16054-004 | 48 | --- | --- | --- |
| 8 (240) | 24-410 | 60 x 137 | Black Phenolic PolyCone | PLC-03674 | 16054-005 | 48 | PLC-03671 | 82020-057 | 252 |
| 16 (480) | 28-400 | 79 x 154 | Black Phenolic PolyCone | PLC-03683 | 16054-006 | 24 | --- | --- | --- |

PLASTIC BOTTLES

NATURAL HDPE WIDE MOUTH OBLONGS

- Space-saving design for the workbench
- Feature a wide mouth opening
- See inside back cover for complete descriptions of our Value Added Services



NATURAL HDPE WIDE MOUTH OBLONGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 2 (60) | 33-400 | 43 x 72 | --- | --- | --- | --- | --- | PLA-03252 | 16087-184 | 950 |
| 4.2 (125) | 38-400 | 50 x 96 | --- | --- | --- | --- | --- | PLA-03253 | 82027-770 | 500 |
| 5.5 (160) | 38-400 | 56 x 102 | --- | --- | --- | --- | --- | PLA-03259 | 16087-130 | 400 |
| 8.5 (250) | 43-400 | 68 x 115 | --- | --- | --- | --- | --- | PLA-03254 | 16087-186 | 250 |
| 16 (500) | 43-400 | 85 x 142 | --- | --- | --- | --- | --- | PLA-03255 | 16185-812 | 160 |
| 2 (60) | 33-400 | 43 x 72 | White PP Unlined | --- | --- | --- | --- | PLC-09352 | 11311-632 | 950 |
| 2 (60) | 33-400 | 43 x 72 | White PP SturdeeSeal® PE Foam | --- | PLC-03469 | 16125-985 | 48 | PLC-03467 | 16125-984 | 950 |
| 4.2 (125) | 38-400 | 50 x 96 | White PP SturdeeSeal® PE Foam | --- | PLC-03473 | 16125-987 | 48 | PLC-03472 | 16125-986 | 500 |
| 5.5 (160) | 38-400 | 56 x 102 | White PP SturdeeSeal® PE Foam | --- | PLC-03495 | 16125-989 | 48 | PLC-03494 | 16125-988 | 400 |
| 8.5 (250) | 43-400 | 68 x 115 | White PP SturdeeSeal® PE Foam | --- | PLC-03477 | 16125-991 | 48 | PLC-03476 | 16125-990 | 250 |
| 16 (500) | 43-400 | 85 x 142 | White PP SturdeeSeal® PE Foam | --- | PLC-03482 | 16125-993 | 24 | PLC-03481 | 16125-992 | 160 |
| 33 (1,000) | 53-400 | 105 x 179 | White PP SturdeeSeal® PE Foam | --- | PLC-03488 | 16125-997 | 12 | PLC-03487 | 16125-996 | 116 |
| 4.2 (125) | 38-400 | 50 x 96 | White PP SturdeeSeal® PE Foam | Vacuum & Ionized | --- | --- | --- | PLC-09004 | 11311-596 | 500 |
| 8.5 (250) | 43-400 | 68 x 115 | White PP SturdeeSeal® PE Foam | Vacuum & Ionized | --- | --- | --- | PLC-07195 | 11311-598 | 250 |
| 17 (500) | 43-400 | 85 x 142 | White PP SturdeeSeal® PE Foam | Vacuum & Ionized | --- | --- | --- | PLC-06620 | 11311-600 | 160 |
| 33 (1,000) | 53-400 | 105 x 179 | White PP SturdeeSeal® PE Foam | Vacuum & Ionized | --- | --- | --- | PLC-09005 | 11311-580 | 116 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.



CLEAR PET PACKERS

- Ideal for oil analysis
- Commonly used for pharmaceutical packaging
- Exceptional gas and moisture barrier properties
- See inside back cover for complete descriptions of our Value Added Services



CLEAR PET PACKERS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 17 (500) | 45-400 | 78 x 135 | — | — | — | — | — | PLA-06570 | 82020-058 | 140 |
| 4 (120) | 38-400 | 49 x 92 | White PP SturdeeSeal® PE Foam | — | — | — | — | PLC-06762 | 11311-636 | 470 |
| 6.75 (200) | 38-400 | 59 x 109 | White PP SturdeeSeal® PE Foam | — | — | — | — | — | — | — |
| 8.5 (250) | 45-400 | 64 x 112 | White PP SturdeeSeal® PE Foam | — | PLC-06594 | 14003-560 | 48 | PLC-07300 | 11311-639 | 300 |
| 17 (500) | 45-400 | 78 x 135 | White PP SturdeeSeal® PE Foam | — | — | — | — | PLC-06877 | 11311-640 | 140 |
| 4 (120) | 38-400 | 49 x 92 | White PP SturdeeSeal® PE Foam | Vacuum & Ionized | PLC-06836 | 30617-180 | 48 | — | — | — |

† 5 case minimum



AMBER PET PACKERS

- Amber Packers protect from harmful light and UV rays
- Stress and impact resistant
- Good alcohol and solvent barrier



CLEAR PET HEAVYWEIGHT PACKERS

- Features a heavy wall construction (24 gram thickness) that will withstand the use of a vacuum pump and higher sampling temperatures
- See inside back cover for complete descriptions of our Value Added Services



AMBER PET PACKERS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-------------------------------|-----------------|--------------|-----------|
| 4 (120) | 38-400 | 49 x 92 | White PP SturdeeSeal® PE Foam | PLC-06592 | 11311-370 | 48 |
| 8.5 (250) | 45-400 | 64 x 112 | White PP SturdeeSeal® PE Foam | PLC-06593 | 11311-372 | 48 |

CLEAR PET HEAVYWEIGHT PACKERS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|---------------------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 4 (120) | 38-400 | 49 x 92 | White PP SturdeeSeal® PE Foam | Super Clean | PLC-06996 | 89234-738 | 450 |

*Approximate dimensions without cap
Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

GLASS OR PLASTIC? WHICH IS BETTER FOR YOUR APPLICATION?

Selecting the correct material for your package is important to ensure product compatibility.

NOT SURE? CALL US AT 800.932.5000 FOR MORE INFORMATION



NATURAL NARROW MOUTH HDPE LAB STYLE BOTTLES

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | CAP STYLE* | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
|------------------|-------------|-------------------------|----------------------|------------------|------------------|------|
| 1 (30) | 20-415 | 34 x 61 | Natural PP Linerless | PLA-03149 | 16086-016 | 72 |
| 4 (120) | 24-415 | 51 x 101 | Natural PP Linerless | PLA-03153 | 16086-028 | 72 |
| 8 (240) | 24-415 | 61 x 133 | Natural PP Linerless | PLA-03155 | 16086-032 | 72 |
| 16 (480) | 28-415 | 73 x 171 | Natural PP Linerless | PLA-03157 | 16086-048 | 48 |
| 32 (960) | 38-415 | 91 x 216 | Natural PP Linerless | PLA-03159 | 16086-060 | 24 |



NATURAL NARROW MOUTH HDPE LAB STYLE BOTTLES

- Highly reliable and durable for long-term use
- Suggested for storing, shipping, and packaging liquids
- Can be used with most corrosives
- Good for freezer storage to -100°C



NATURAL WIDE MOUTH HDPE LAB STYLE BOTTLES

- More rigid than LDPE
- Suitable for shipping liquids



JARS PLASTIC

PLASTIC BOTTLES

NATURAL WIDE MOUTH HDPE LAB STYLE BOTTLES

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | CAP STYLE* | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|----------------------|------------------|------------------|------|------------------|------------------|------|
| | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 1 (30) | 28-415 | 34 x 63 | Natural PP Linerless | PLA-03168 | 16086-068 | 72 | — | — | — |
| 2 (60) | 28-415 | 40 x 86 | Natural PP Linerless | PLA-03170 | 16086-072 | 72 | PLA-03169 | 82024-072 | 1000 |
| 4 (120) | 38-415 | 51 x 100 | Natural PP Linerless | PLA-03172 | 16086-076 | 72 | — | — | — |
| 8 (240) | 43-415 | 61 x 131 | Natural PP Linerless | PLA-03174 | 16086-080 | 72 | PLA-03173 | 11310-986 | 250 |
| 16 (480) | 53-415 | 73 x 168 | Natural PP Linerless | PLA-03176 | 16086-086 | 48 | PLA-03175 | 11310-988 | 125 |
| 32 (960) | 63-415 | 91 x 199 | Natural PP Linerless | PLA-03178 | 16086-090 | 24 | PLA-03177 | 11310-990 | 50 |

*Convenience Pack - Caps Attached
Bulk Pack - Caps Enclosed

NATURAL HDPE STRAIGHT SIDED ROUNDS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-------------------------------|--------------------------------|------------------|------------------|-----------|
| 16 (480) | 89-400 | 93 x 95 | — | — | PLA-03216 | 89085-346 | 144 |
| 32 (960) | 89-400 | 94 x 164 | — | — | PLA-09469 | 82027-622 | 84 |
| 16 (480) | 89-400 | 93 x 95 | White PP SturdeeSeal® PE Foam | — | PLC-03420 | 82020-073 | 144 |
| 32 (960) | 89-400 | 94 x 164 | White PP SturdeeSeal® PE Foam | — | PLC-03530 | 82020-063 | 84 |
| 32 (960) | 89-400 | 94 x 164 | White PP SturdeeSeal® PE Foam | Cleaned & Certified for Metals | PLC-03437 | 16054-272 | 12 |



NATURAL HDPE STRAIGHT SIDED ROUNDS

- Extra wide opening and jar style allow for easy insertion and recovery of contents



WHITE POLYPROPYLENE JARS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|--------------------|------------------|------------------|------|------------------|------------------|------|
| | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 4 (120) | 58-400 | 56 x 70 | — | — | — | — | PLA-06007 | 89080-562 | 432 |
| 8 (240) | 70-400 | 64 x 86 | — | — | — | — | PLA-03349 | 15712-134 | 336 |
| 16 (480) | 89-400 | 88 x 96 | — | — | — | — | PLA-03351 | 16152-330 | 112 |
| 1 (30) | 43-400 | 42 x 40 | White PP Unlined | PLC-07184 | 11311-348 | 72 | — | — | — |
| 2 (60) | 53-400 | 51 x 48 | White PP Unlined | PLC-07185 | 11311-350 | 48 | — | — | — |
| 4 (120) | 58-400 | 56 x 70 | White PP Unlined | PLC-07186 | 11311-352 | 36 | — | — | — |
| 8 (240) | 70-400 | 64 x 86 | White PP Unlined | PLC-07187 | 11311-354 | 36 | — | — | — |
| 16 (480) | 89-400 | 88 x 96 | White PP Unlined | PLC-07188 | 11311-356 | 24 | — | — | — |
| 32 (960) | 120-400 | 119 x 96 | White PP Unlined | PLC-07189 | 11311-358 | 24 | — | — | — |



WHITE POLYPROPYLENE JARS

- Suggested for storing and collecting specimens and lab supplies
- Wide neck and straight sides facilitate easy recovery of contents
- Polypropylene offers greater tolerance to high temperatures than HDPE and better contact clarity



*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.



NATURAL POLYPROPYLENE JARS

- Suggested for storing and collecting specimens and lab supplies
- Wide neck and straight sides facilitate easy recovery of contents
- Polypropylene offers greater tolerance to high temperatures than HDPE and better contact clarity
- See inside back cover for complete descriptions of our Value Added Services



NATURAL POLYPROPYLENE JARS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | VALUE ADDED SERVICE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|---------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 2 (60) | 53-400 | 52 x 46 | --- | --- | --- | --- | --- | PLA-03344 | 16087-173 | 546 |
| 4 (120) | 58-400 | 56 x 70 | --- | --- | --- | --- | --- | PLA-03346 | 16087-175 | 432 |
| 8 (240) | 89-400 | 88 x 64 | --- | --- | --- | --- | --- | PLA-03347 | 16087-176 | 168 |
| 16 (480) | 89-400 | 88 x 96 | --- | --- | --- | --- | --- | PLA-03350 | 16087-179 | 112 |
| 4 (120) | 58-400 | 56 x 70 | White PP SturdeeSeal® PE Foam | --- | PLC-03700 | 89210-126 | 36 | --- | --- | --- |
| 8 (240) | 89-400 | 88 x 64 | White PP SturdeeSeal® PE Foam | --- | PLC-03703 | 89210-128 | 36 | --- | --- | --- |
| 16 (480) | 89-400 | 88 x 96 | White PP SturdeeSeal® PE Foam | --- | PLC-03713 | 89199-122 | 24 | --- | --- | --- |
| 1 (30) | 43-400 | 38 x 41 | White PP Unlined | --- | PLC-03693 | 36318-853 | 72 | --- | --- | --- |
| 2 (60) | 53-400 | 52 x 46 | White PP Unlined | --- | PLC-03697 | 36318-854 | 48 | --- | --- | --- |
| 4 (120) | 58-400 | 56 x 70 | White PP Unlined | --- | PLC-03701 | 36318-852 | 36 | --- | --- | --- |
| 8 (240) | 89-400 | 88 x 64 | White PP Unlined | --- | PLC-03704 | 36318-860 | 36 | --- | --- | --- |
| 16 (480) | 89-400 | 88 x 96 | White PP Unlined | --- | PLC-03717 | 36318-858 | 24 | --- | --- | --- |
| 32 (960) | 120-400 | 119 x 96 | White PP Unlined | --- | PLC-03720 | 36318-856 | 24 | --- | --- | --- |
| 2 (60) | 53-400 | 52 x 46 | White PP Unlined | Vacuum & Ionized | PLC-10489 | 89093-170 | 48 | --- | --- | --- |
| 8 (240) | 89-400 | 88 x 64 | White PP Unlined | Vacuum & Ionized | PLC-10495 | 89093-166 | 36 | --- | --- | --- |
| 16 (480) | 89-400 | 88 x 96 | White PP Unlined | Vacuum & Ionized | PLC-10496 | 89093-168 | 24 | --- | --- | --- |
| 32 (960) | 120-400 | 119 x 96 | White PP Unlined | Vacuum & Ionized | PLC-10494 | 89093-118 | 24 | --- | --- | --- |

PLASTIC JARS



CLEAR POLYSTYRENE JARS

- Offers glass-like clarity with a smooth, slip-resistant surface
- Suggested for storing and collecting specimens and lab supplies
- Wide neck and straight sides facilitate easy recovery of contents



CLEAR POLYSTYRENE JARS

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-------------------------------|-----------------|--------------|-----------|
| 4 (120) | 58-400 | 53 x 68 | --- | PLA-03357 | 16087-160 | 324 |
| 8 (240) | 89-400 | 88 x 65 | --- | PLA-03359 | 16087-167 | 168 |
| 16 (480) | 89-400 | 85 x 99 | --- | PLA-03360 | 16087-161 | 112 |
| 32 (960) | 120-400 | 119 x 98 | --- | PLA-03361 | 16087-169 | 60 |
| 2 (60) | 53-400 | 52 x 46 | White PP SturdeeSeal® PE Foam | PLC-03724 | 36318-870 | 48 |
| 4 (120) | 58-400 | 53 x 68 | White PP SturdeeSeal® PE Foam | PLC-03726 | 36318-868 | 36 |
| 8 (240) | 89-400 | 88 x 65 | White PP SturdeeSeal® PE Foam | PLC-03727 | 36318-866 | 36 |
| 16 (480) | 89-400 | 85 x 99 | White PP SturdeeSeal® PE Foam | PLC-03729 | 36318-864 | 24 |
| 32 (960) | 120-400 | 119 x 98 | White PP SturdeeSeal® PE Foam | PLC-03730 | 36318-862 | 24 |

*Approximate dimensions without cap

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

QORPAK BOTTLES WITH CAPS ATTACHED



- **Saves you time** – no more searching for the proper size cap.
- **Prevents mistakes** – the right liner in the right cap on the right bottle.
- **Reduces carton dust** – dust cannot get inside the bottle or behind the liner.
- **Simplifies ordering** – consolidates two inventory items into one.

FLIP TOP DISPENSING BOTTLES

- Translucent and impact resistant
- Maximum squeezability
- Suggested for dispensing small amounts of liquid



FLIP TOP DISPENSING BOTTLES

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | BOTTLE RESIN | BOTTLE STYLE | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
|------------------|-------------|-------------------------|--------------|--------------|--------------------|------------------|------------------|------|
| 2 (60) | 24-410 | 29 x 93 | HDPE | Cylinder | White PE Flip Top | PLC-03387 | 16151-824 | 48 |
| 4 (120) | 24-410 | 47 x 124 | HDPE | Cylinder | White PE Flip Top | PLC-03400 | 16151-828 | 48 |
| 8 (240) | 24-410 | 51 x 157 | HDPE | Cylinder | White PE Flip Top | PLC-03410 | 16151-830 | 48 |
| 16 (480) | 24-410 | 62 x 199 | HDPE | Cylinder | White PE Flip Top | PLC-03425 | 16151-832 | 24 |

TRIGGER SPRAY BOTTLES

- Feature a trigger-motion adjustable sprayer
- Spray pattern from a fine mist to coarse spray to stream



TRIGGER SPRAY BOTTLES

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | BOTTLE RESIN | BOTTLE STYLE | DIP TUBE LENGTH | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|--------------|----------------|-----------------|-------------------------------------|------------------|------------------|-----------|
| 16 (480) | 28-400 | 70 x 174 | Nylon/PE | Modern Round | 6-5/8" | White PP F217 Lined Trigger Sprayer | PLC-06934 | 11311-616 | 6 |
| 16 (480) | 28-400 | 61 x 200 | HDPE | Cylinder | 7-3/8" | White PP F217 Lined Trigger Sprayer | PLC-03431 | 16344-101 | 6 |
| 22 (650) | 28-400 | 84 x 191 | HDPE | Graduated Oval | 7-3/8" | White PP F217 Lined Trigger Sprayer | PLC-03499 | 16344-508 | 4 |
| 32 (960) | 28-400 | 79 x 238 | HDPE | Cylinder | 9-1/8" | White PP F217 Lined Trigger Sprayer | PLC-03438 | 93001-660 | 12 |

*Approximate dimensions without cap



LDPE NASAL SPRAY BOTTLES

- Nasal spray bottles are made of squeezable, resilient LDPE
- Supplied with the spray plug and overcap

LDPE NASAL SPRAY BOTTLES

| CAPACITY ML | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|-------------|-------------------------|-----------------------------------|------------------|-------------------|-----------|
| 1 (30) | 18-410 | 31 x 75 | White LDPE Unlined Overcap & Plug | 501182 | 470016-200 | 12 |
| 2 (60) | 18-410 | 37 x 84 | White LDPE Unlined Overcap & Plug | PLC-03662 | 16151-814 | 48 |

JUGS PLASTIC



NATURAL HDPE HEAVYWEIGHT ROUND HANDLED JUGS

- Suggested for high speed filling



NATURAL HDPE HEAVYWEIGHT ROUND HANDLED JUGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|--------------------|------------------|------------------|-----------|
| 135 (4,000) | 38-439 | 152 x 348 | — | PLA-03140 | 89237-495 | 48 |
| 128 (3,785) | 38-430 | 152 x 311 | White PP F439 | PLC-05666 | 71000-008 | 36 |



NATURAL HDPE ROUND HANDLED JUGS

- Feature a molded in panel suitable for label application
- Provide an excellent moisture barrier and are impact resistant



NATURAL HDPE ROUND HANDLED JUGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | CONVENIENCE PACK | | | BULK PACK | | |
|------------------|-------------|-------------------------|-------------------------------|------------------|------------------|------|------------------|------------------|------|
| | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 64 (1,920) | 38-400 | 121 x 254 | — | — | — | — | PLA-03273 | 16080-518 | 40 |
| 128 (3,785) | 38-400 | 157 x 298 | — | PLA-03280 | 16080-563 | 4 | PLA-03276 | 16080-552 | 60 |
| 64 (1,920) | 38-400 | 121 x 254 | Black Phenolic PolyCone | — | — | — | PLC-03501 | 89204-956 | 40 |
| 128 (3,785) | 38-400 | 157 x 298 | Black Phenolic PolyCone | — | — | — | PLC-03509 | 16085-009 | 60 |
| 64 (1,920) | 38-400 | 121 x 254 | White PP SturdeeSeal® PE Foam | PLC-03504 | 89031-228 | 6 | PLC-03503 | 16085-007 | 40 |
| 128 (3,785) | 38-400 | 157 x 298 | White PP SturdeeSeal® PE Foam | PLC-03518 | 16081-001 | 4 | PLC-03517 | 16085-010 | 60 |

*Approximate dimensions without cap

NATURAL HDPE SQUARE HANDLED JUGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|-------------------------------|-----------------|--------------|-----------|
| 128 (3,785) | 38-400 | 142 x 283 | White PP SturdeeSeal® PE Foam | PLC-03648 | 76360-460 | 4 |



NATURAL HDPE SQUARE HANDLED JUGS

- Durable, good for the workbench
- Provide an excellent moisture barrier and are impact resistant



FLUORINATED HDPE JUGS

- Provides the barrier protection for large volumes of liquids
- Offer permeation protection 100 times better than HDPE alone
- Provide improved product odor control and container shape retention
- Many types of plastic can be Fluorinated to prevent paneling
- Caps sold separately



SEE GLASS JUGS ON PAGE 18

FLUORINATED HDPE JUGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|-----------------|--------------|-----------|
| 64 (1,920) | 38-400 | 121 x 254 | PLA-03272 | 11311-310 | 40 |

*Approximate dimensions without cap

SEE MORE INFO ON BARRIER PLASTIC ON PAGE 23

QORPAK CAP MEASURER

MAKE CAP ORDERING A SNAP!

This two-sided card helps you measure cap sizes and bottle neck finishes with confidence. It includes a six inch ruler, guide to common neck finishes, and easy-to-find ordering information.

CALL 800.932.5000 TO REQUEST YOUR FREE QORPAK CAP MEASURER TODAY!



PLASTIC JUGS



NATURAL HDPE WIDE MOUTH ROUND HANDLED JUGS

| CAPACITY OZ (ML) | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------------|-------------|-------------------------|-------------------------|-----------------|--------------|-----------|
| 128 (3,785) | 89-400 | 159 x 232 | — | PLA-03274 | 93001-732 | 60 |
| 128 (3,785) | 89-400 | 159 x 232 | Black Phenolic Solid PE | PLC-03505 | 16085-242 | 60 |

NATURAL HDPE WIDE MOUTH ROUND HANDLED JUGS

- Store large volumes of product
- Holds up to 128 oz and has a finger grip for easy handling



NATURAL HDPE LIGHTWEIGHT DAIRY JUGS

- Inexpensive, general purpose for sampling and storeroom use



NATURAL HDPE WIDE MOUTH ROUND HANDLED JUGS

| CAPACITY OZ | VOLUME | NECK FINISH | DIMENSIONS OD X HGT MM* | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|----------|-------------|-------------------------|-----------------|--------------|-----------|
| 8 | 1/2 Pint | 38-400 | 56 x 109 | PLA-06816 | 11311-518 | 500 |
| 16 | 1 Pint | 38-400 | 56 x 196 | PLA-06817 | 11311-520 | 400 |
| 32 | 1 Quart | 38-400 | 72 x 236 | PLA-06818 | 11311-199 | 180 |



WHITE HDPE F-STYLE JUGS

- Suggested for environmental applications
- Molded panel allows for easy label application
- Space saving, rectangular shape



WHITE HDPE F-STYLE JUGS

| CAPACITY OZ | VOLUME | NECK FINISH | DIMENSIONS OD X HGT MM* | ATTACHED CAP STYLE | CONVENIENCE PACK | | | BULK PACK | | |
|-------------|------------|-------------|-------------------------|-------------------------------|------------------|--------------|------|-----------------|--------------|------|
| | | | | | QORPAK CAT. NO. | VWR CAT. NO. | QTY. | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
| 64 | 1/2 Gallon | 38-400 | 131 x 224 | — | — | — | — | PLA-03250 | 11311-168 | 60 |
| 64 | 1/2 Gallon | 38-400 | 131 x 224 | White PP SturdeeSeal® PE Foam | — | — | — | PLC-09289 | 11311-630 | 60 |
| 128 | 1 Gallon | 38-400 | 200 x 304 | White PP SturdeeSeal® PE Foam | PLC-03461 | 14003-550 | 6 | PLC-08929 | 89176-160 | 54 |

*Approximate dimensions without cap

OPEN HEAD HDPE PAILS

| CAPACITY | CAPACITY OZ | TOP DIAMETER | BOTTOM DIAMETER | HEIGHT | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|---|-------------|--------------|-----------------|--------|-----------------|--------------|-----------|
| 1 Gallon | 128 | 8.25" | 6.69" | 7.25" | 240125 | 89220-153 | 100 |
| 2 Gallon | 256 | 9.44" | 8.25" | 9.56" | PLA-03234 | 15712-212 | 60 |
| 3 1/2 Gallon | 448 | 11.88" | 10.31" | 10.88" | 240130 | 89220-156 | 18 |
| 5 Gallon with Embossed Safety Warning Label | 640 | 12.19" | 12.19" | 14.35" | 259746 | 75996-730 | 10 |
| 5 Gallon with Embossed Safety Warning Label | 640 | 11.88" | 10.5" | 14.63" | 240171 | 89220-168 | 4 |
| 5 Gallon with Embossed Safety Warning Label | 640 | 11.88" | 10.5" | 14.63" | 240131 | 89220-158 | 10 |



OPEN HEAD HDPE PAILS

- Pails have a rounded hand grip with metal bail
- Snap-on lids feature an inner rubber-sealing gasket
- Colored pails and lids are also available in pallet quantities



HDPE PAIL LIDS

| FITS PAIL SIZE | STYLE | TOP DIAMETER | HEIGHT | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.™ |
|---------------------|----------------------|--------------|--------|-----------------|--------------|------------|
| 1 Gallon | Plain Tear Lid | 8.25" | 1" | 240126 | 89237-502 | 100 |
| 2 Gallon | Plain | 9.56" | .72" | PLA-03294 | 16218-032 | 200 |
| 3 1/2, 5 & 6 Gallon | UN Plain | 12.25" | 1.19" | 240172 | 89220-170 | 4 |
| 3 1/2, 5 & 6 Gallon | UN Tear Lid | 12.25" | 1.19" | 240135 | 89220-167 | 40 |
| 3 1/2, 5 & 6 Gallon | UN Sr Rieke Lid | 12.25" | 1.19" | 240134 | 89220-165 | 32 |
| 3 1/2, 5 & 6 Gallon | UN Plain | 12.25" | 1.19" | 240133 | 89220-163 | 32 |
| 5 Gallon | Tear Lid with Gasket | 12.13" | 0.33" | 259737 | 75996-734 | 4 |
| 5 Gallon | Tear Lid with Gasket | 12.13" | 0.33" | 210954 | 75996-736 | 240 |

*Pail Lids may be ordered individually to match your pail quantity



HDPE PAIL LIDS

- Tear lid features a pull tab to secure the contents during shipping and transport
- Rieke spout lids make dispensing liquid contents easy



HEAVY DUTY ANODIZED GOLD LID-OFF

| QORPAK ITEM # | VWR PART # | QTY. |
|---------------|------------|------|
| MET-08918 | 16199-000 | 1 |



HEAVY DUTY ANODIZED GOLD LID-OFF

- Opens tightly sealed plastic pails quickly and easily
- Lid-Off is 1 1/2" wide to provide optimum rim grip

HD RATED PAIL & LID COMBINATIONS

| PAIL CAPACITY | QORPAK PAIL CAT. NO. | VWR PAIL CAT. NO. | LID STYLE | QORPAK LID CAT. NO. | VWR LID CAT. NO. | UN MARKING FOR PAIL/LID COMBO-SOLIDS | UN MARKING FOR PAIL/LID COMBO-LIQUIDS |
|---------------|----------------------|-------------------|-------------------|---------------------|------------------|--------------------------------------|---------------------------------------|
| 2 Gallon | PLA-03234 | 15712-212 | Plain | PLA-03294 | 16218-032 | 1H2/Z12/S | — |
| 3 1/2 Gallon | 240130 | 89220-156 | UN Tear Lid | 240135 | 89220-167 | 1H2/Y25/S | — |
| 3 1/2 Gallon | 240130 | 89220-156 | Plain UN Lid | 240133 | 89220-163 | 1H2/Y43/S | 1H2/Y1.5/30 |
| 3 1/2 Gallon | 240130 | 89220-156 | UN Lid w Sr Rieke | 240134 | 89220-165 | — | 1H2/Y1.5/30 |
| 5 Gallon | 240171 | 89220-168 | UN Tear Lid | 240135 | 89220-167 | 1H2/Y25/S | — |
| 5 Gallon | 240171 | 89220-168 | Plain UN Lid | 240133 | 89220-163 | 1H2/Y25/S | 1H2/Y1.5/30 |
| 5 Gallon | 240171 | 89220-168 | UN Lid w Sr Rieke | 240134 | 89220-165 | — | 1H2/Y1.5/30 |
| 5 Gallon | 240131 | 89220-158 | UN Tear Lid | 240135 | 89220-167 | 1H2/Y25/S | — |
| 5 Gallon | 240131 | 89220-158 | Plain UN Lid | 240133 | 89220-163 | 1H2/Y25/S | 1H2/Y1.5/30 |
| 5 Gallon | 240131 | 89220-158 | UN Lid w Sr Rieke | 240134 | 89220-165 | — | 1H2/Y1.5/30 |
| 6 Gallon | 240132 | 75990-582 | UN Tear Lid | 240135 | 89220-167 | 1H2/Y25/S | — |
| 6 Gallon | 240132 | 75990-582 | Plain UN Lid | 240133 | 89220-163 | 1H2/Y43/S | — |

CurTec  **HIGH PERFORMANCE PACKAGING CLEAN. SAFE. CERTIFIED.**

This High Performance Packaging line provides the highest level of product protection and added value through quality, functionality, ease of use, and design. Applications include shipping and stocking valuable fine chemicals, API's and intermediates as well as finished products in powder, tablet and paste format. The line is backed by a quality assurance program which includes HACCP, ISO certification and a Drug Master File for all packaging products.

Suggested for Pharmaceuticals, Fine Chemicals, Food Ingredients and Hazardous Waste. Prevents moisture contamination and is airtight.

WIDE NECK DRUMS

- Water tight closure
- Tamper evident feature
- Stable stacking through a clever base and lid construction
- UN marking for solids

PACKO

- Small volume container with innerseal and screw lid
- Water tight closure
- Open and close with just a quarter-turn
- Tamper evident feature
- Smooth inside
- UN marking for solids



HDPE WIDE NECK DRUMS WITH RED PP LIDS

| CAPACITY LITERS | OPENING SIZE MM | DIMENSIONS OD X HGT MM* | UN RATING | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
|-----------------|-----------------|-------------------------|---------------|-----------------|------------------|------|
| 3.6 | 137 | 165 x 198 | 1H2 / X12 / S | 248723 | 76184-876 | 10 |
| 6 | 136 | 198 x 263 | 1H2 / X20 / S | 248725 | 76184-878 | 15 |
| 10 | 203 | 274 x 238 | 1H2 / X22 / S | 248729 | 76184-880 | 8 |
| 15 | 203 | 274 x 327 | 1H2 / X22 / S | 248732 | 76184-882 | 8 |
| 20 | 203 | 274 x 417 | 1H2 / X27 / S | 248733 | 76184-884 | 4 |
| 26 | 203 | 316 x 425 | 1H2 / X33 / S | 248734 | 76184-886 | 3 |



WHITE PACKO CONTAINERS

| CAPACITY ML | MATERIAL | OPENING SIZE MM | DIMENSIONS OD X HGT MM | UN RATING | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
|-------------|----------|-----------------|------------------------|----------------|-----------------|------------------|------|
| 300 | PP | 96.8 | 99 x 55.4 | H2 / X0.4 / S | 248735 | 10028-636 | 90 |
| 500 | PP | 96.8 | 99 x 82.4 | H2 / X0.7 / S | 248736 | 10028-638 | 90 |
| 650 | PP | 96.8 | 99 x 104.4 | 1H2 / X0.9 / S | 248737 | 10028-640 | 90 |
| 1,000 | PP | 96.8 | 99 x 157.4 | 1H2 / X1.3 / S | 248738 | 10028-643 | 90 |
| 1,300 | PP | 96.8 | 99 x 197.4 | 1H2 / X1.8 / S | 248740 | 10028-644 | 60 |
| 1,500 | HDPE | 116 | 119 x 161 | 1H2 / X2.0 / S | 248742 | 10028-646 | 60 |
| 2,000 | HDPE | 116 | 119 x 236 | 1H2 / X2.6 / S | 248743 | 10028-648 | 30 |
| 2,500 | HDPE | 116 | 119 x 266 | 1H2 / X3.3 / S | 248745 | 10028-650 | 30 |



LIDS & INNERSEALS FOR PACKO

| STYLE | FITS PACKO-CAPACITY ML | MATERIAL | COLOR | QORPAK CAT. NO. | VWR CAT # | QTY. |
|-----------------|------------------------|----------|-------------|-----------------|-----------|------|
| Innnerseal | 300 – 1,300 | PE | Translucent | 248746 | 10028-652 | 30 |
| Innnerseal | 1,500 - 2,500 | PE | Translucent | 248747 | 10028-654 | 30 |
| Lid | 300 – 1,300 | PP | Red | 248748 | 10028-656 | 30 |
| Lid | 1,500 – 2,500 | PP | Burgundy | 248749 | 10028-658 | 30 |
| Lid with Gasket | 300 - 1,300 | PP | Red | 248750 | 10028-660 | 30 |

Lead times may apply to Wide Neck Drums & Packo's. Please contact your VWR Sales Rep or call 800.932.5000 for more information.

CARBOYS PLASTIC

PLASTIC DRUMS & PACKOS



HDPE SQUARE HEDPAKS®

| STYLE | CAPACITY | NECK FINISH | CLOSURE STYLE | UN MARKING | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|----------------------|--------------|-------------|-------------------------|--------------|-----------------|--------------|-----------|
| Headpak® with Carton | 2 1/2 Gallon | 51-400 | — | 3H1/Y1.5/100 | PLA-05975 | 89030-124 | 104 |
| Headpak® with Carton | 5 Gallon | 70-400 | Natural PPGasket Lined | — | PLC-14633 | 89166-156 | 4 |
| Headpak® with Carton | 5 Gallon | 70-400 | Natural PP Gasket Lined | — | PLA-03326 | 89166-158 | 30 |

HDPE SQUARE HEDPAKS®

- Rigid containers with an integral handle on the top face and molded pouring vent
- Finger recess on the bottom of the bottle makes it easy-to-use
- Saves space
- 18mm vent pour caps included



HDPE ROUND WINPAKS®

| CAPACITY | NECK FINISH | ATTACHED CAP STYLE | UN MARKING | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|----------|-------------|-------------------------|--------------|-----------------|--------------|-----------|
| 5 Gallon | 70-400 | Natural PP Gasket Lined | 1H1/Y1.3/100 | PLA-03327 | 11311-368 | 1 |

HDPE ROUND WINPAKS®

- Spout placement is in line with the sidewall for maximum removal of product during dispensing
- Unit is also equipped with a swing handle on the top face





LDPE CUBITAINERS[®]

- Cube-shaped inserts inside a heavy-duty corrugated outer carton (32 oz. does not include carton)
- Easy-to-ship, handle and pour. Collapses as product is dispensed



LDPE CUBITAINERS[®]

| CAPACITY | NECK FINISH | STYLE | ATTACHED CAP STYLE | UN MARKING | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-----------------|-------------|--------------------------|--------------------------|------------|------------------|------------------|-----------|
| 1 Gallon/ Liter | 38-400 | Knocked Down - no carton | White PP F217 Foam Lined | 4G/Y6/S | PLC-03458 | 16125-970 | 8 |
| 1 Gallon/ Liter | 38-400 | Assembled with Carton | White PP F217 Foam Lined | 4G/Y6/S | PLA-03242 | 24301-505 | 10 |



HDPE QUICK SERVE TAP FOR CUBITAINERS[®]

- Transfer liquids from larger containers into smaller vessels such as sprayer bottles from Cubitainers[®]
- PP, PE and natural rubber components



HDPE QUICK SERVE TAP FOR CUBITAINERS[®]

| NECK FINISH | QORPAK CAT. NO. | VWR CAT. NO. | QTY. |
|-------------|------------------|------------------|------|
| 38mm | PLA-03193 | 24301-704 | Each |

SELECT THE PLASTIC RESIN THAT'S RIGHT FOR YOU!



PET - POLYETHYLENE TEREPHTHALATE

- Glass-like clarity, durable, rigid and impact resistant
- Exceptional gas and moisture barrier properties
- Good alcohol & solvent barrier
- Generally not suitable for hot fill applications



HDPE - HIGH DENSITY POLYETHYLENE

- Excellent moisture barrier, translucent, and impact resistant
- For high-speed filling and demanding pharmaceutical specifications, water-based chemicals, toiletries & cosmetics, and certain food products
- Not recommended for products sensitive to oxidation or contain solvents



PVC - VINYL/POLYVINYL CHLORIDE

- Transparent, rigid and excellent resistance to oxygen permeation and oils
- Good water barrier characteristics
- Commonly used in the toiletry and cosmetic markets



LDPE - LOW DENSITY POLYETHYLENE

- Squeezable and soft particularly suited for spray or dropper applications
- Virtually unbreakable and more resistant to stress cracking than HDPE
- Retains impact strength at very low temperatures
- Recommended for product fill at temperatures less than 100°F
- Not recommended for gases or solvents



PP - POLYPROPYLENE

- Autoclavable and has excellent contact clarity
- Can be used for hot fill applications beyond the limits of HDPE
- Excellent impact strength, stress crack resistance and barrier characteristics
- Lightweight and strong
- Not recommended for low temperature ranges as it tends to become brittle



PS - POLYSTYRENE

- Rigid, glass-like clarity, and lightweight
- Able to withstand high fill temperatures up to 180°F
- Generally used for dry products that are not extremely hygroscopic in nature



OTHER

- Packages made with a resin other than the six listed above, or made of more than one resin and used in a multilayer combination



CAP MATERIAL

THERMOSET OR PHENOLIC (BAKELITE)

These caps are known for providing the widest range of chemical compatibility and for being the most temperature tolerant of plastic closures. They also provide the most consistent adherence to close dimensional tolerances. Ideal for pharmaceutical applications. Thermoset closures cannot be remelted after they are formed. Common resins include urea, phenolic and melamine.

METAL

Metal caps offer the widest range of temperature tolerances and are very resistant to fracture from impact. Metal caps are great for industrial and food applications. A metal closure is manufactured from either steel (coated with anti-corrosive coating of either chrome plate or tinplate) or aluminum.

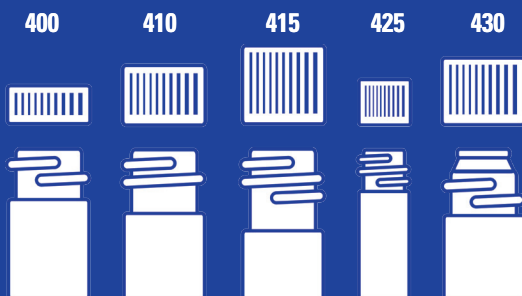
POLYPROPYLENE (THERMOPLASTIC)

Polypropylene caps are known for good impact strength, cost effectiveness and pliability. They can be remelted after they are formed.



CAPS & NECK FINISHES

Screw thread cap sizes are expressed in two numbers, which refer to the cap diameter (in millimeters) and the GPI Finish (the top of the containers). For example, a size 28-430 cap has a diameter of 28mm, and fits a container with a 430 GPI thread finish.



LINER MATERIAL

F217 & PTFE LINED CAPS - These caps feature liners that resist attack from virtually all chemicals at room temperature. The F217 features a low density foam core between two LDPE discs and are applied to the back of a PTFE liner. This provides a tight seal with a low moisture transmission rate. Uses include: Analytical lab samples, high purity chemicals, strong acids, solvents, environmental samples, pharmaceuticals, and diagnostic reagents. The color green easily identifies the PTFE liner system. Available in Thermoset, Phenolic and Polypropylene caps.

PULP/VINYL LINED CAPS - Phenolic caps with pulp and vinyl liners are perfect for general use. The liner is made of a vinyl coating applied to high density polyethylene coated paper and then it is laminated to pulpboard. This general purpose liner is commonly used for food, beverage, medical and chemical applications packed at less than 120° F, including mild acids, alkalis, solvents, alcohols, oils and aqueous products. This closure is not recommended for active hydrocarbons or bleaches. Available in Phenolic and Polypropylene caps.

POLYCONE LINED CAPS - These caps form an exceptionally tight seal and offer a good chemical barrier. This liner molds itself around the sealing areas of the finish as the cap is screwed on, virtually eliminating leakage, evaporation, contamination, binding and backing off. Great for everything from liquids, to soaps, to macro-invertebrates. Available in Phenolic caps.

RUBBER LINED CAPS - Black phenolic caps with rubber liners are autoclavable. This liner is FDA approved for food and pharmaceutical applications. Excellent properties of resilience, resistance to moisture vapor and relatively low gas transmission. Also widely used for packaging injectables. Great for culture work. They also provide the most consistent adherence to close dimensional tolerances. Available in Phenolic caps.

RUBBER BACKED/PTFE FACED CAPS - Designed for the ultimate in product safety. Autoclavable PTFE provides a totally inert inner seal and surface facing the sample or product. Available in Phenolic caps.

.030" THICK SOLID POLYETHYLENE LINED CAPS - Caps with solid PE liners offer good chemical resistance and a low moisture vapor transmission rate and are great for nail polish remover and higher concentration acids & alkalis. Good for non-oil products filled at room temperature. Because this lining system is paperless, your samples will not be contaminated with fiber or paper particles from the closure. Available in Phenolic caps.

ALUMINUM FOIL LINED CAPS - These caps are typically used for food applications as they will not cause odor or taste problems. Also can be used for non-acid, non-alkaline products. Great for organic solvents, chrome cleaners, brake fluids and mineral oils. Available in Phenolic and Metal caps.

TIN FOIL LINED CAPS - These caps offer good chemical resistance and are typically used with solids and powders. They offer good resistance to hydro-carbons, alcohols, ketones and oils. Not recommended for acids and alkalis. Available in Phenolic caps.

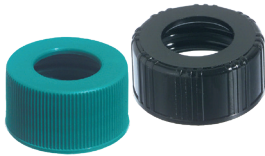
STURDEESEAL® PE FOAM LINED CAPS - These polypropylene caps have excellent sealing characteristics and offer good chemical resistance including acids, alcohols, alkalis, aqueous products, cosmetics, household oils and solvents. Available in Polypropylene caps.

F422 HDPE FOAM LINED CAPS - Also called Acid Caps, these polypropylene caps are acid resistant. This F422 liner is comprised of a .38" LDPE core sandwiched between identical layers of .002" - .003" virgin HDPE. Available in Polypropylene caps.

UNLINED CAPS - Unlined polypropylene closures are available in white or black. These caps are autoclavable and are suitable for many dry products. Available in Polypropylene caps.

PLASTISOL LINED CAPS - Plastisol liners have a plastic gasket on the inside of a metal closure. This creates an airtight, vacuum seal that is tamper-evident with the container when properly heated and cooled. Caps with this lining system must be used in conjunction with containers that can withstand high heat. Caps with a Plastisol liner offer excellent resistance to mild acids as in food products. Available in Metal caps.

PULP/POLYETHYLENE CAPS - These metal caps are a great general purpose closure. They are ideal for powders and non-acidic food products and consumer products such as jar candles and honey. Available in Metal caps.



HOLE CAPS

- Known for good impact strength, cost effectiveness, and pliability
- Septa sold separately - see page 45

HOLE CAPS

| COLOR | MATERIAL | NECK FINISH | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|-------|---------------|-------------|------------------|------------------|------------|
| Black | Phenolic | 20-400 | CAP-00330 | 11311-623 | 6,300 |
| Black | Phenolic | 22-400 | CAP-05187 | 11311-550 | 5,800 |
| Green | Polypropylene | 24-414 | CAP-00339 | 93001-764 | 100 |
| Green | Polypropylene | 24-414 | CAP-00337 | 89168-876 | 3,700 |



WHITE PP HOLE CAPS WITH BONDED PTFE/SILICONE SEPTA

| NECK FINISH | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|-------------|------------------|------------------|------------|
| 28-400 | CAP-00343 | 16200-422 | 1,000 |
| 33-400 | CAP-00355 | 16151-387 | 1,000 |

WHITE POLYPROPYLENE HOLE CAPS WITH BONDED PTFE/SILICONE SEPTA

- Bonded septa will not slip from cap during injection

CAPS & CLOSURES

THE CAP LAB PROFESSIONALS PREFER!



GREEN THERMOSET F217 & PTFE LINED CAPS

- Provide the widest range of chemical compatibility and is the most temperature tolerant
- Most consistent adherence to close dimensional tolerances
- Foam backed PTFE liners resist attack from virtually all chemicals at room temperature

Qorpak EXCLUSIVE

GREEN THERMOSET F217 & PTFE LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | | | BULK CAPS | | |
| 8-425 | Ribbed | 272635 | 75993-590 | 100 | 500 | — | — | — |
| 13-425 | Ribbed | 272632 | 75993-600 | 100 | 500 | — | — | — |
| 15-425 | Ribbed | 272633 | 75993-602 | 100 | 500 | — | — | — |
| 18-400 | Ribbed | 272634 | 75993-604 | 100 | 500 | — | — | — |
| 22-400 | Smooth | 272627 | 75993-610 | 100 | 500 | 272493 | 75993-608 | 5,300 |
| 24-400 | Smooth | 272628 | 75993-612 | 100 | 500 | — | — | — |
| 28-400 | Smooth | 272629 | 75993-616 | 100 | 500 | — | — | — |
| 33-400 | Smooth | 272630 | 75993-620 | 100 | 500 | — | — | — |
| 38-400 | Smooth | 272631 | 75993-622 | 100 | 500 | — | — | — |
| 43-400 | Smooth | CAP-00066 | 16161-337 | 100 | 500 | CAP-00065 | 76175-390 | 1,404 |
| 45-400 | Smooth | CAP-00068 | 16161-360 | 100 | 500 | — | — | — |
| 53-400 | Smooth | CAP-00073 | 16161-428 | 100 | 500 | — | — | — |
| 70-400 | Smooth | CAP-00079 | 16161-519 | 12 | 144 | — | — | — |
| 83-400 | Smooth | CAP-00061 | 16161-541 | 12 | 144 | — | — | — |
| 89-400 | Smooth | CAP-00063 | 16161-574 | 12 | 144 | — | — | — |

*Caps may be ordered individually to match your container quantity

VALULINE WHITE PP F217 & PTFE LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|-----------------|--------------|--------------|-----------------------|-----------------|--------------|------------|
| BAGGED CAPS | | | | | BULK CAPS | | | |
| 15-425 | Ribbed | 272188 | 76012-826 | 100 | 500 | — | — | — |
| 18-400 | Ribbed | 272189 | 75993-604 | 100 | 500 | — | — | — |
| 20-400 | Ribbed | 272190 | 76012-830 | 100 | 500 | — | — | — |
| 22-400 | Ribbed | 272191 | 76012-832 | 100 | 500 | 239075 | 76170-302 | 8,500 |
| 24-400 | Ribbed | 272192 | 76012-834 | 100 | 500 | — | — | — |
| 28-400 | Ribbed | 272193 | 76012-836 | 100 | 500 | — | — | — |
| 33-400 | Ribbed | 272194 | 76012-838 | 100 | 500 | 239081 | 75799-974 | 4,000 |
| 38-400 | Ribbed | 272195 | 76012-840 | 100 | 500 | 239082 | 75799-976 | 2,900 |
| 43-400 | Ribbed | 272196 | 76012-842 | 100 | 500 | — | — | — |
| 45-400 | Ribbed | 272197 | 76012-844 | 100 | 500 | 239084 | 75799-978 | 2,000 |
| 48-400 | Ribbed | 272198 | 76012-846 | 100 | 500 | 239085 | 75799-980 | 1,700 |
| 53-400 | Ribbed | 272199 | 76012-848 | 100 | 500 | — | — | — |
| 58-400 | Ribbed | 272200 | 76012-850 | 100 | 500 | 239087 | 75799-982 | 1,100 |
| 63-400 | Ribbed | 272201 | 76012-852 | 12 | 288 | — | — | — |
| 70-400 | Ribbed | 272202 | 76012-854 | 12 | 144 | — | — | — |
| 83-400 | Ribbed | 272203 | 76012-856 | 12 | 144 | — | — | — |
| 89-400 | Ribbed | 272204 | 76012-858 | 12 | 144 | — | — | — |



VALULINE WHITE PP F217 & PTFE LINED CAPS

- Polypropylene F217 & PTFE lined caps are an economical alternative to Thermoset & Phenolic PTFE lined caps
- PTFE/F217 liners are very resilient and have strong resistance to chemicals and moisture

WHITE POLYPROPYLENE PULP/VINYL LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE |
|-------------|--------|-----------------|--------------|--------------|-----------------------|
| 20-400 | Ribbed | 263417 | 76012-860 | 12 | 576 |
| 22-400 | Ribbed | 271085 | 76012-862 | 12 | 576 |
| 24-400 | Ribbed | 270997 | 76012-864 | 12 | 576 |
| 28-400 | Ribbed | 263418 | 76012-866 | 12 | 576 |
| 33-400 | Ribbed | 271086 | 76012-868 | 12 | 576 |
| 38-400 | Ribbed | 270984 | 76012-870 | 12 | 576 |
| 43-400 | Ribbed | 270987 | 76012-872 | 12 | 576 |
| 45-400 | Ribbed | 270986 | 76012-874 | 12 | 576 |
| 48-400 | Ribbed | 263419 | 76012-876 | 12 | 576 |
| 53-400 | Ribbed | 263420 | 76012-878 | 12 | 288 |
| 58-400 | Ribbed | 270989 | 76012-880 | 12 | 288 |
| 63-400 | Ribbed | 270990 | 76012-882 | 12 | 288 |
| 70-400 | Ribbed | 263421 | 76012-884 | 12 | 144 |
| 89-400 | Ribbed | 270991 | 76012-886 | 12 | 144 |



WHITE POLYPROPYLENE PULP/VINYL LINED CAPS

- Polypropylene caps are known for good impact strength, durability, cost effectiveness, thermal resistance, and pliability
- Commonly used for food, beverage, medical and chemical applications packed at less than 120° F, including mild acids, alkalis, solvents, alcohols, oils and aqueous products

NEW

*Caps may be ordered individually to match your container quantity



CAPPING OFF A COMPLETE CONTAINMENT CONCEPT

The right cap can dramatically improve the performance of a container. Qorpak offers a variety of ways to purchase caps:

- Bagged convenience packs
- Bulk packs
- Already attached to the appropriate container





BLACK PHENOLIC PULP/VINYL LINED CAPS

- Good general use closure
- Liner is made of vinyl coating applied to high density polyethylene coated-paper and then laminated to pulpboard
- Liner is commonly used for food, beverage, medical, and chemical applications packed at less than 120° F

BLACK PHENOLIC PULP/VINYL LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | | | BULK CAPS | | |
| 8-425 | Ribbed | CAP-00103 | 16199-001 | 12 | 576 | — | — | — |
| 13-425 | Ribbed | CAP-00113 | 16199-023 | 12 | 576 | CAP-00109 | 16218-042 | 16,600 |
| 15-425 | Ribbed | CAP-00127 | 16199-045 | 12 | 576 | — | — | — |
| 18-400 | Ribbed | CAP-00137 | 16199-056 | 12 | 576 | — | — | — |
| 20-400 | Smooth | CAP-00150 | 16199-089 | 12 | 576 | CAP-00147 | 93001-527 | 6,500 |
| 22-400 | Smooth | CAP-00165 | 16199-103 | 12 | 576 | — | — | — |
| 24-400 | Smooth | CAP-00180 | 16199-125 | 12 | 576 | CAP-00175 | 16218-047 | 4,400 |
| 24-410 | Smooth | CAP-00188 | 16199-136 | 12 | 576 | — | — | — |
| 28-400 | Smooth | — | — | — | — | CAP-00194 | 10842-576 | 3,200 |
| 38-400 | Smooth | CAP-00235 | 16199-180 | 12 | 576 | — | — | — |
| 43-400 | Smooth | CAP-00249 | 16199-205 | 12 | 576 | — | — | — |
| 45-400 | Smooth | — | — | — | — | CAP-00255 | 16196-343 | 1,326 |
| 48-400 | Smooth | CAP-00269 | 16199-249 | 12 | 576 | — | — | — |
| 63-400 | Smooth | CAP-00304 | 16199-307 | 12 | 288 | — | — | — |
| 70-400 | Smooth | CAP-00315 | 16199-329 | 12 | 144 | — | — | — |
| 89-400 | Smooth | — | — | — | — | CAP-00089 | 76169-410 | 240 |

+Polypropylene Cap



BLACK PHENOLIC F217 & PTFE LINED CAPS

- Provide the widest range of chemical compatibility and is the most temperature tolerant
- Most consistent adherence to close dimensional tolerances
- Foam backed PTFE liners resist attack from virtually all chemicals at room temperature

BLACK PHENOLIC F217 & PTFE LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | | | BULK CAPS | | |
| 20-400 | Ribbed | — | — | — | — | CAP-00145 | 16151-899 | 6,300 |
| 22-400 | Ribbed | CAP-06690 | 71001-586 | 12 | 576 | — | — | — |



BLACK PHENOLIC POLYCARBONATE LINED CAPS

- Exceptionally tight seal and offer a good chemical barrier
- No leakage, evaporation, contamination, binding, or backing off

BLACK PHENOLIC POLYCARBONATE LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | | | BULK CAPS | | |
| 13-425 | Ribbed | CAP-00111 | 16216-982 | 12 | 576 | CAP-00107 | 16218-003 | 16,600 |
| 15-425 | Ribbed | CAP-00125 | 16217-002 | 12 | 576 | — | — | — |
| 18-400 | Ribbed | CAP-00135 | 16217-024 | 12 | 576 | CAP-00132 | 16218-007 | 7,400 |
| 20-400 | Ribbed | CAP-00148 | 16217-046 | 12 | 576 | CAP-00143 | 16218-028 | 5,500 |
| 22-400 | Ribbed | CAP-00161 | 16217-068 | 12 | 576 | CAP-00154 | 16218-008 | 5,000 |
| 24-400 | Ribbed | CAP-00176 | 16217-090 | 12 | 576 | CAP-00170 | 16218-072 | 4,100 |
| 24-410 | Ribbed | CAP-00187 | 16217-095 | 12 | 576 | — | — | — |
| 28-400 | Ribbed | CAP-00195 | 16217-104 | 12 | 576 | CAP-00190 | 16196-330 | 3,100 |
| 33-400 | Ribbed | CAP-00212 | 16217-126 | 12 | 576 | CAP-00204 | 16218-001 | 2,200 |
| 38-400 | Ribbed | CAP-00231 | 16217-148 | 12 | 576 | CAP-00224 | 75997-532 | 1,700 |

*Caps may be ordered individually to match your container quantity

BLACK PHENOLIC RUBBER LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|-----------------|--------------|--------------|-----------------------|-----------------|--------------|------------|
| BAGGED CAPS | | | | | BULK CAPS | | | |
| 13-425 | Ribbed | CAP-00469 | 16214-998 | 12 | 576 | — | — | — |
| 15-425 | Ribbed | CAP-00471 | 16215-017 | 12 | 576 | — | — | — |
| 22-400 | Smooth | CAP-00477 | 16215-050 | 12 | 576 | — | — | — |
| 24-400 | Smooth | CAP-00481 | 16215-061 | 12 | 576 | CAP-00480 | 89422-981 | 4,400 |
| 28-400 | Smooth | CAP-00487 | 16215-083 | 12 | 576 | — | — | — |
| 38-400 | Smooth | CAP-00491 | 16215-119 | 12 | 576 | — | — | — |
| 43-400 | Smooth | CAP-00493 | 16215-130 | 12 | 576 | — | — | — |



BLACK PHENOLIC RUBBER LINED CAPS

- Autoclavable
- Liner is compliant with FDA 21 CFR 177.2600 Rubber Articles Intended for Repeated Use
- Liners are resistant to moisture vapor
- Closures provide consistent adherence to close dimensional tolerance

BLACK PHENOLIC RUBBER BACKED/PTFE FACED LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|-------------|--------|-----------------|--------------|------------|
| 38-430 | Ribbed | CAP-00241 | 14007-004 | 840 |



BLACK PHENOLIC RUBBER BACKED/PTFE FACED LINED CAPS

- Designed for the ultimate in product safety
- Autoclavable PTFE provides totally inert inner seal and surface facing the sample or product

BLACK PHENOLIC .030" THICK SOLID POLYETHYLENE LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|-----------------|--------------|--------------|-----------------------|-----------------|--------------|------------|
| BAGGED CAPS | | | | | BULK CAPS | | | |
| 33-400 | Smooth | CAP-00214 | 16200-166 | 12 | 576 | — | — | — |
| 38-400 | Smooth | CAP-00233 | 16200-188 | 12 | 576 | CAP-00228 | 16218-014 | 1,680 |
| 43-400 | Smooth | CAP-00247 | 16200-202 | 12 | 576 | — | — | — |
| 48-400 | Smooth | — | — | — | — | CAP-00260 | 16218-017 | 1,248 |
| 53-400 | Smooth | CAP-00279 | 16200-247 | 12 | 288 | — | — | — |
| 58-400 | Smooth | CAP-00291 | 470178-027 | 12 | 288 | — | — | — |
| 63-400 | Smooth | CAP-00302 | 16200-280 | 12 | 288 | — | — | — |
| 70-400 | Smooth | — | — | — | — | CAP-00308 | 76169-364 | 572 |



BLACK PHENOLIC .030" THICK SOLID POLYETHYLENE LINED CAPS

- Offer good chemical resistance and low moisture vapor transmission rate
- System is paperless, so samples will not be contaminated with fiber or paper particles

*Caps may be ordered individually to match your container quantity



**BLACK PHENOLIC PULP/
ALUMINUM FOIL LINED CAPS**

- Suggested for food applications
- Free of odor and taste problems
- Can be used for non-acid, non-alkaline products

BLACK PHENOLIC PULP/ALUMINUM FOIL LINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|-------------|--------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | | BULK CAPS | | | |
| 13-425 | Ribbed | CAP-00110 | 16087-212 | 12 | 576 | — | — | — |
| 15-425 | Ribbed | CAP-00124 | 16087-214 | 12 | 576 | — | — | — |
| 22-400 | Smooth | CAP-00162 | 16087-218 | 12 | 576 | — | — | — |
| 33-400 | Smooth | CAP-00213 | 16087-222 | 12 | 576 | — | — | — |
| 43-400 | Smooth | CAP-00246 | 16087-226 | 12 | 576 | — | — | — |
| 48-400 | Smooth | CAP-00266 | 16087-228 | 12 | 576 | CAP-00259 | 11311-441 | 1,248 |
| 53-400 | Smooth | CAP-00278 | 16087-230 | 12 | 288 | — | — | — |
| 58-400 | Smooth | CAP-00290 | 16087-232 | 12 | 288 | — | — | — |
| 63-400 | Smooth | CAP-00301 | 16087-234 | 12 | 288 | — | — | — |
| 70-400 | Smooth | CAP-00312 | 16087-236 | 12 | 144 | — | — | — |
| 89-400 | Smooth | CAP-00090 | 16087-238 | 12 | 144 | — | — | — |

WHITE POLYPROPYLENE STURDEESEAL® PE FOAM LINED CAPS



**WHITE POLYPROPYLENE
STURDEESEAL® PE FOAM
LINED CAPS**

- Excellent sealing characteristics and offer good chemical resistance

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|-------------|--------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | | BULK CAPS | | | |
| 24-410 | Ribbed | — | — | — | — | CAP-00340 | 89204-918 | 4,300 |
| 28-400 | Ribbed | — | — | — | — | CAP-00347 | 16196-304 | 4,300 |
| 28-410 | Ribbed | — | — | — | — | CAP-00353 | 75877-326 | 2,700 |
| 33-400 | Ribbed | — | — | — | — | CAP-00359 | 30617-120 | 5,000 |
| 38-400 | Ribbed | — | — | — | — | CAP-00369 | 89237-496 | 3,750 |
| 43-400 | Ribbed | CAP-06626 | 82023-678 | 12 | 576 | CAP-00382 | 16196-352 | 3,000 |
| 48-400 | Ribbed | — | — | — | — | CAP-00389 | 89176-842 | 2,500 |
| 53-400 | Ribbed | — | — | — | — | CAP-00395 | 89237-454 | 2,000 |
| 58-400 | Ribbed | — | — | — | — | CAP-00400 | 89237-500 | 1,650 |
| 63-400 | Ribbed | — | — | — | — | CAP-00405 | 89131-742 | 1,500 |
| 70-400 | Ribbed | — | — | — | — | CAP-00411 | 16196-301 | 760 |
| 89-400 | Ribbed | CAP-05103 | 82023-680 | 12 | 144 | — | — | — |

*Caps may be ordered individually to match your container quantity

BLACK POLYPROPYLENE UNLINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|-----------------|--------------|--------------|-----------------------|-----------------|--------------|------------|
| BAGGED CAPS | | | | | BULK CAPS | | | |
| 22-400 | Ribbed | CAP-00333 | 16087-242 | 100 | 500 | --- | --- | --- |
| 24-400 | Ribbed | --- | --- | --- | --- | CAP-00334 | 11311-574 | 6,500 |
| 28-400 | Ribbed | CAP-00350 | 16087-246 | 100 | 500 | CAP-00346 | 11311-576 | 5,000 |
| 33-400 | Ribbed | --- | --- | --- | --- | CAP-00357 | 11311-578 | 4,000 |
| 33-430 | Ribbed | --- | --- | --- | --- | CAP-00362 | 30617-122 | 2,000 |
| 38-400 | Ribbed | CAP-00370 | 16087-254 | 100 | 500 | CAP-00367 | 82020-060 | 2,900 |
| 38-430 | Ribbed | CAP-00377 | 16087-248 | 100 | 500 | --- | --- | --- |
| 43-400 | Ribbed | CAP-00383 | 16087-256 | 100 | 500 | CAP-00381 | 93001-616 | 2,200 |
| 45-400 | Ribbed | --- | --- | --- | --- | CAP-00384 | 93001-612 | 2,000 |
| 48-400 | Ribbed | CAP-00390 | 16087-260 | 100 | 500 | CAP-00388 | 93001-602 | 1,700 |
| 53-400 | Ribbed | CAP-00396 | 16087-262 | 100 | 500 | CAP-00394 | 93001-604 | 1,300 |
| 58-400 | Ribbed | CAP-00401 | 16087-264 | 100 | 500 | CAP-00399 | 93001-600 | 1,100 |
| 63-400 | Ribbed | CAP-00406 | 16087-266 | 12 | 144 | CAP-00404 | 93001-610 | 900 |
| 70-400 | Ribbed | CAP-00413 | 16087-268 | 12 | 144 | CAP-00410 | 93001-598 | 760 |
| 89-400 | Ribbed | CAP-00325 | 16087-275 | 12 | 144 | CAP-00323 | 75796-210 | 580 |



BLACK POLYPROPYLENE UNLINED CAPS

- Known for good impact strength, cost effectiveness
- Autoclavable and are suitable for many dry products

WHITE POLYPROPYLENE UNLINED CAPS

| NECK FINISH | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|--------|-----------------|--------------|--------------|-----------------------|-----------------|--------------|------------|
| BAGGED CAPS | | | | | BULK CAPS | | | |
| 33-400 | Ribbed | --- | --- | --- | --- | CAP-00356 | 16196-311 | 4,000 |
| 38-400 | Ribbed | --- | --- | --- | --- | CAP-00366 | 16196-308 | 2,900 |
| 43-400 | Ribbed | --- | --- | --- | --- | CAP-00380 | 16196-324 | 2,200 |
| 48-400 | Ribbed | --- | --- | --- | --- | CAP-00387 | 16196-306 | 1,700 |
| 53-400 | Ribbed | --- | --- | --- | --- | CAP-00393 | 16196-318 | 1,300 |
| 58-400 | Ribbed | CAP-06638 | 89080-564 | 12 | 288 | CAP-00398 | 16196-320 | 1,100 |
| 63-400 | Ribbed | --- | --- | --- | --- | CAP-00403 | 16196-326 | 900 |
| 70-400 | Ribbed | --- | --- | --- | --- | CAP-05088 | 89080-566 | 760 |
| 89-400 | Ribbed | CAP-06640 | 89239-416 | 12 | 144 | CAP-00322 | 16196-323 | 580 |
| 120-400 | Ribbed | --- | --- | --- | --- | CAP-00326 | 16084-996 | 228 |



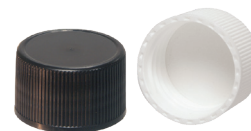
WHITE POLYPROPYLENE UNLINED CAPS

- Known for good impact strength, cost effectiveness
- Autoclavable and are suitable for many dry products

POLYPROPYLENE F422 HDPE FOAM LINED CAP

| NECK FINISH | COLOR | STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|-------------|-------|--------|-----------------|--------------|------------|
| 38-439 | White | Ribbed | CAP-00379 | 89237-498 | 1,200 |

*Caps may be ordered individually to match your container quantity



POLYPROPYLENE F422 HDPE FOAM LINED CAPS

- Acid resistant
- F422 liner is comprised of a .38" LDPE core sandwiched between identical layers of .002" - .003" virgin HDPE

CAPS & CLOSURES



WHITE METAL PLASTISOL LINED CAPS

- Plastic gasket creates tamper evident, airtight vacuum seal when heated
- Provides resistance to mild acids as in food products

WHITE METAL PLASTISOL LINED CAPS

| NECK FINISH | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | BULK CAPS | | | |
| 38-400 | --- | --- | --- | --- | CAP-00441 | 93001-528 | 3,800 |
| 48-400 | --- | --- | --- | --- | CAP-00447 | 16218-118 | 2,300 |
| 53-400 | --- | --- | --- | --- | CAP-00450 | 16218-120 | 1,900 |
| 58-400 | --- | --- | --- | --- | CAP-00454 | 10799-773 | 2,000 |
| 63-400 | CAP-00462 | 16198-848 | 12 | 288 | CAP-00459 | 16218-038 | 1,700 |
| 70-400 | CAP-00466 | 16198-869 | 12 | 144 | CAP-00465 | 16218-041 | 1,400 |
| 89-400 | CAP-00423 | 16198-905 | 12 | 144 | CAP-00420 | 16151-682 | 700 |

WHITE METAL PULP/ALUMINUM FOIL LINED CAPS



WHITE METAL PULP/ALUMINUM FOIL LINED CAPS

- Free of odor & taste, these caps are typically used in food applications
- Suggested for non-acid, non-alkaline products

| NECK FINISH | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR PART # | CASE QTY.* |
|--------------------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | BULK CAPS | | | |
| 24-400 | CAP-06646 | 11310-822 | 12 | 576 | CAP-00429 | 16200-400 | 6,000 |
| 28-400 | CAP-06647 | 11310-806 | 12 | 576 | CAP-00434 | 16200-402 | 4,600 |
| 33-400 | CAP-06648 | 11310-814 | 12 | 576 | CAP-00436 | 11311-212 | 3,400 |
| 38-400 | --- | --- | --- | --- | CAP-00439 | 89204-922 | 3,800 |
| 43-400 | CAP-06650 | 11310-816 | 12 | 576 | CAP-00443 | 16200-409 | 3,100 |
| 48-400 | CAP-06651 | 11310-818 | 12 | 576 | --- | --- | --- |
| 53-400 | CAP-06652 | 11310-802 | 12 | 288 | CAP-00448 | 89204-928 | 1,900 |
| 58-400 | CAP-06653 | 11310-810 | 12 | 288 | CAP-00451 | 16200-414 | 2,000 |
| 63-400 | --- | --- | --- | --- | CAP-00456 | 16357-102 | 1,700 |
| 70-400 | CAP-06655 | 11310-820 | 12 | 144 | CAP-00463 | 11310-808 | 1,400 |
| 89-400 | CAP-06657 | 11310-812 | 12 | 144 | --- | --- | --- |

WHITE METAL PULP/POLYETHYLENE LINED CAPS



WHITE METAL PULP/POLYETHYLENE LINED CAPS

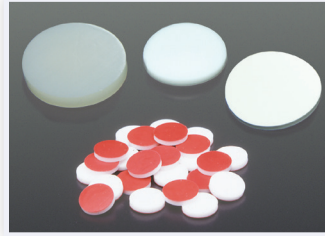
- Suggested for powders and non-acidic food products
- Typically used with honey bottles and candle jars

| NECK FINISH | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------------|------------------|------------------|--------------|-----------------------|------------------|------------------|------------|
| BAGGED CAPS | | | | BULK CAPS | | | |
| 38-400 | CAP-05016 | 16087-200 | 12 | 576 | CAP-00440 | 16198-787 | 3,800 |
| 43-400 | --- | --- | --- | --- | CAP-00444 | 16218-110 | 3,100 |
| 48-400 | CAP-06659 | 11310-804 | 12 | 576 | --- | --- | --- |
| 53-400 | CAP-05015 | 11311-150 | 12 | 288 | CAP-00449 | 16198-794 | 1,900 |
| 58-400 | CAP-06660 | 89204-934 | 12 | 288 | CAP-00453 | 16198-796 | 2,000 |
| 63-400 | --- | --- | --- | --- | CAP-00458 | 89204-936 | 1,700 |
| 70-400 | CAP-06662 | 11311-154 | 12 | 144 | CAP-00464 | 89204-939 | 1,400 |
| 89-400 | CAP-06664 | 11311-152 | 12 | 144 | CAP-00419 | 89204-940 | 700 |

*Caps may be ordered individually to match your container quantity

SEPTA

- PTFE/Silicone resists coring and provides great resealability
- PTFE/Silicone/PTFE septa are good for multiple injections
- PTFE/Silicone/PTFE septa have the resistance of PTFE until punctured, then the septa has silicone compatibility
- PTFE/Red Rubber are economical and the PTFE facing provides a barrier for product contact



DISCS

- Convert ordinary caps into non-contaminating closures at a fraction of the cost
- Easy-to-clean, remove and replace



SEPTA & DISCS

| STYLE | MATERIAL | NECK FINISH | OORPAK CONVENIENCE CAT. NO. | VWR CONVENIENCE CAT. NO. | CASE QTY. | OORPAK BULK CAT. NO. | VWR BULK CAT. NO. | CASE QTY. ¹ |
|-----------------------|------------------------------|-------------|-----------------------------|--------------------------|-----------|----------------------|-------------------|------------------------|
| Natural & White Septa | 0.060" Natural PTFE/Silicone | 20mm | CAP-00563 | 11311-628 | 100 | — | — | — |
| Natural & White Septa | 0.125" Natural PTFE/Silicone | 24mm | CAP-00515 | 93001-762 | 100 | CAP-00564 | 30617-124 | 8,000 |
| Disc* | 0.015" Natural PTFE | 22-400 | CAP-00509 | 16200-430 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 24-400 | CAP-00514 | 16200-432 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 28-400 | CAP-00518 | 16200-434 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 33-400 | CAP-00522 | 16200-436 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 33-430 | CAP-00520 | 16200-438 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 38-400 | CAP-00526 | 16200-440 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 38-430 | CAP-00524 | 16200-442 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 43-400 | CAP-00528 | 16200-444 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 45-400 | CAP-00530 | 16200-446 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 48-400 | CAP-00532 | 16200-448 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 53-400 | CAP-00534 | 16200-450 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 58-400 | CAP-00537 | 16200-452 | 500 | — | — | — |
| Disc* | 0.015" Natural PTFE | 63-400 | CAP-00540 | 16200-454 | 144 | — | — | — |
| Disc* | 0.015" Natural PTFE | 70-400 | CAP-00542 | 16200-456 | 144 | — | — | — |
| Disc* | 0.015" Natural PTFE | 83-400 | CAP-06829 | 93001-504 | 144 | CAP-00506 | 16200-460 | 1,000 |
| Disc* | 0.015" Natural PTFE | 89-400 | CAP-00507 | 16200-458 | 144 | — | — | — |

*Discs may be ordered individually.

UNDERSTANDING CLOSURE TORQUE

Closure Torque is the rotational force applied during application or removal of a closure from a bottle. Torque is defined in inch-pounds or Newton-meters and is measured by various types of torque meters. Application torque requirements also vary according to the closure size being used.

The industry standard for application torque is typically 50% of the size of the closure. For example a 43mm closure should have an application torque of 21 to 22 in-lbs., in general.

EXCEPTIONS

- The plastics industry has a known standard for torque removal. Removal torques should register between 40% and 60% of the recommended application torque. For example, if a closure has a recommended application torque of 16 in-lbs., then the corresponding removal torque should be 7 to 9 in-lbs.
- Plastic bottles produced using Extrusion Blow Molding (EBM) processes have different torque back-off failure modes than bottles produced using an Injection Blow Molding (IBM) process.
- UN rated packaging will likely require higher than industry standard application torques. The consumer should always follow the recommended closing instructions provided with the UN Performance Package. Third Party testing is always recommended to insure that the closure system can hold up to the elevated torque requirements for these packages.

It is important to understand the type of closure and bottle system you are using to make sure that they are compatible from a material and dimensional standpoint. The optimum relationship between applied and removal torques and good sealing characteristics under various physical and environmental conditions must be established for each individual package. We encourage you to test the container/closure/torque combination in the exact configuration in which it will be used.



DROPPER ASSEMBLIES

- Includes hole cap, black squeeze bulb and pipets in your choice of glass or polyethylene
- A wide variety of neck finishes and pipet lengths for any application



WHITE PE FLIP TOP CAPS

- Ideal on the workbench for dispensing small amounts of liquid
- Made of durable PE
- Orifice is 3.0 mm

DROPPER ASSEMBLIES

| NECK FINISH | PIPET SIZE MM | PIPET MATERIAL | CAP COLOR AND MATERIAL | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------|---------------|----------------|------------------------|------------------|------------------|-----------|
| 20-400 | 7 x 89 | Glass | Black PP | CAP-05742 | 89210-112 | 12 |

WHITE PE FLIP TOP CAPS

| NECK FINISH | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|--------------------|------------------|------------------|--------------|-----------------------|------------------|------------------|-----------|
| BAGGED CAPS | | | | BULK CAPS | | | |
| 24-410 | CAP-06047 | 89210-114 | 12 | 144 | CAP-00341 | 89204-920 | 1,880 |



TRIGGER SPRAYER PUMPS

- Available with PE Foam liner or Industrial Sprayers with strainer, stainless steel balls and springs
- Industrial Sprayers are chemical resistant polyester/propylene

F217 FOAM PE LINED TRIGGER SPRAYER PUMPS

| NECK FINISH | PIPET SIZE MM | QORPAK CAT. NO. | VWR CAT. NO. | CAPS PER BAG | TOTAL PIECES PER CASE |
|-------------|---------------|------------------|------------------|--------------|-----------------------|
| 28-400 | 7-3/8" | CAP-06051 | 82027-624 | 12 | 144 |

PAPER MAILERS & CUPS



KRAFT SPECIMEN MAILERS

- Durable metal ringed bottoms and tops and are furnished with metal screw caps
- Meet government regulations for mailing liquids

NOTE: IT IS THE BUYER'S RESPONSIBILITY TO CHOOSE THE APPROPRIATE CONTAINER, CLOSURE, AND LINING SYSTEM FOR THE CONTAINED SUBSTANCE.

KRAFT SPECIMEN MAILERS

| TUBE SIZE | BOTTLE CAPACITY OZ (ML) | BOTTLE NECK FINISH | BOTTLE STYLE | ATTACHED CAP STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|--------------|-------------------------|--------------------|------------------------------------|-------------------------------|------------------|------------------|-----------|
| 2" x 5.5" | — | — | Tube Only | — | PAP-03115 | 15712-140 | 24 |
| 2.5" x 6.5" | — | — | Tube Only | — | PAP-03116 | 15712-162 | 24 |
| 1.75" x 4.5" | 2 (60) | 20-400 | Clear Glass Boston Round | Black Phenolic Pulp/Vinyl | GLC-01115 | 15712-322 | 24 |
| 2" x 5.5" | 4 (120) | 22-400 | Clear Glass Boston Round | Black Phenolic Pulp/Vinyl | GLC-01137 | 15712-344 | 24 |
| 2.5 x 6.5" | 8 (240) | 24-400 | Clear Glass Boston Round | Black Phenolic Pulp/Vinyl | GLC-01172 | 15712-366 | 24 |
| 1.75" x 4.5" | 2 (60) | 38-400 | Clear Glass Graduated Medium Round | Black Phenolic Pulp/Vinyl | GLC-01492 | 15712-526 | 24 |
| 1.75" x 4.5" | 2 (60) | 24-410 | HDPE Narrow Mouth Cylinder | White PP SturdeeSeal® PE Foam | PLC-03390 | 15712-708 | 24 |
| 2" x 5.5" | 4 (120) | 24-410 | HDPE Narrow Mouth Cylinder | White PP SturdeeSeal® PE Foam | PLC-03403 | 15712-720 | 24 |
| 2.5 x 6.5" | 8 (240) | 24-410 | HDPE Narrow Mouth Cylinder | White PP SturdeeSeal® PE Foam | PLC-03412 | 15712-741 | 24 |
| 1.75" x 4.5" | 2 (60) | 33-400 | HDPE Wide Mouth Round | White PP SturdeeSeal® PE Foam | PLC-03565 | 15712-887 | 24 |
| 2" x 5.5" | 4 (120) | 38-400 | HDPE Wide Mouth Round | White PP SturdeeSeal® PE Foam | PLC-03641 | 15712-901 | 24 |

ADVANTAGES OF METAL

Glass and plastic products certainly have their place in every laboratory, but the advantages of metal in some settings are undeniable. Several reasons to use metal include:

- Recyclability - lighter environmental footprint
- Durability - can withstand more than 2,000° F
- Standardization - uniform volumes
- Non-combustible construction

ANATOMY OF PANS, PAILS, AND DRUMS

Metal packaging uses its own unique collection of product vocabulary. Ears are not for listening and beads are not *just* for decoration!

- **Bails** - handles on a can or pail
- **Beads (rolling hoops)** - rounded depressions around the body of a metal container
- **Chimes** - the top or bottom lips of a metal container
- **Cover** - another name for lid
- **Ears** - devices attached to a can or pail that secure bails, or handles
- **Fittings (bungs)** - openings of various sizes that are used to fill and dispense the contents



UNLINED ROUND CANS

| CAPACITY | CAPACITY OZ | DIMENSIONS | LID STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------|-------------|------------|----------------------------------|------------------|------------------|-----------|
| 1/4 Pint | 4 | 208 x 200 | Triple Tite Lid & Securing Clips | MET-03086 | 16455-220 | 48 |
| 1/2 Pint | 8 | 214 x 214 | Triple Tite Lid & Securing Clips | MET-03088 | 16455-222 | 48 |
| 1 Pint | 16 | 307 x 314 | Triple Tite Lid & Securing Clips | MET-03090 | 16455-224 | 24 |
| 1 Quart | 32 | 404 x 414 | Triple Tite Lid & Securing Clips | MET-03094 | 16455-226 | 24 |
| 1/2 Gallon | 64 | 506 x 514 | Triple Tite Lid & Securing Clips | MET-03097 | 16455-228 | 12 |
| 1 Gallon* | 128 | 610 x 708 | Triple Tite Lid & Securing Clips | MET-03099 | 16455-230 | 6 |
| 1 Pint | 16 | 307 x 314 | Triple Tite Lid | MET-03091 | 16455-253 | 50 |
| 1 Quart | 32 | 404 x 414 | Triple Tite Lid | MET-03093 | 16455-254 | 56 |
| 1/2 Gallon | 64 | 507 x 514 | Triple Tite Lid | MET-03096 | 89204-912 | 75 |

*Includes Ears & Bails



UNLINED ROUND CANS

- Permeation protection against light, oxygen, other gases, and essential oils
- Resealable multi-friction plug lid on paint cans provides for more than one point of contact between the lid and the can
- May be sterilized by heat

EPOXY LINED CANS

| CAPACITY | CAPACITY OZ | DIMENSIONS | LID STYLE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|----------|-------------|------------|-----------------|------------------|------------------|-----------|
| 1 Pint | 16 | 307 x 314 | Triple Tite Lid | MET-03091 | 46610-313 | 50 |
| 1 Quart | 32 | 404 x 414 | Triple Tite Lid | MET-03093 | 16085-208 | 56 |
| 1 Gallon | 128 | 610 x 708 | Triple Tite Lid | MET-03100 | 16085-207 | 36 |



EPOXY LINED ROUND CANS

- Triple Tite Lid provides a non-reactive barrier between the container and the product/atmosphere, protecting the contents and preventing rust
- Suggested for oil and water-based paints, glue, adhesive, and stucco



METAL F-STYLE OBLONG CANS

- Use for cooking oils, paint thinners, turpentine, lighter fluids, insecticides, and general storage applications
- May be sterilized by heat

METAL F-STYLE OBLONG CANS

| CAPACITY | CAPACITY OZ | DIMENSIONS | OPENING SIZE | STYLE | CLOSURE INFO | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|----------|-------------|-----------------|--------------|----------------|----------------------|------------------|------------------|-----------|
| 1 Pint | 16 | 112 x 314 x 514 | 1-1/4" | Without Handle | Solvseal & Innerseal | MET-03040 | 16455-232 | 24 |
| 1 Quart | 32 | 206 x 410 x 614 | 1-1/4" | Without Handle | Solvseal & Innerseal | MET-03043 | 16455-234 | 24 |



ALPHA CAPS

- Suggested for vegetable and mineral oils, weak acids and alkalis, alcohols, and organic solvents
- Aluminum foil lined caps can be used for food applications and non-acid, non-alkaline products

ALPHA CAPS FOR F-STYLE CANS

| OPENING SIZE | LINER | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY.* |
|--------------|----------|------------------|------------------|------------|
| 1-3/4" | Solvseal | MET-05603 | 82024-646 | 2,700 |

*Available each to match your case configuration



CLOSED HEAD STEEL PAILS

- Feature several styles of openings to meet your application needs
- Available lined or unlined

It is the buyer's responsibility to choose the appropriate lining system for the contained substance.

CLOSED HEAD STEEL PAILS

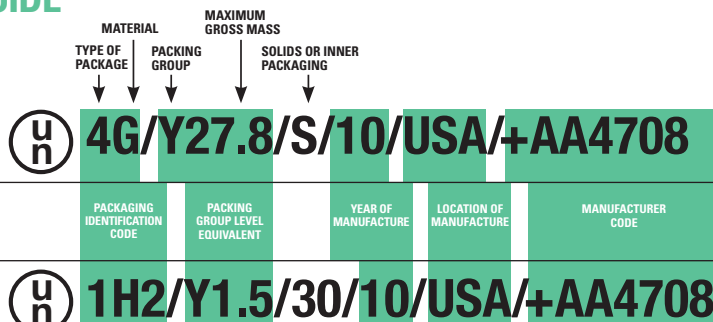
| CAPACITY | STEEL THICKNESS | COLOR | OPENING STYLE | UN MARKING | INSIDE LINING | OORPAK CAT. NO. | VWR CAT. NO. | QTY. |
|----------|-----------------|-------|----------------------|--------------|---------------|------------------|------------------|------|
| 5 Gallon | 24 Ga | Black | 2" Bung & Rieke Plug | 1A1/Y1.8/280 | Phenolic | MET-03035 | 75880-448 | Each |

METAL

UN MARKINGS GUIDE

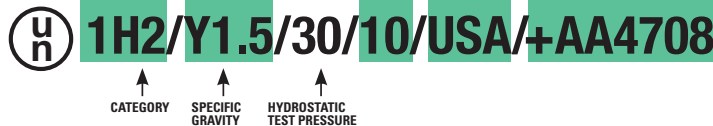
COMBINATION PACKAGING OR SINGLE PACKAGING FOR SOLID HAZARDOUS MATERIALS

Example of UN Marking for Solid Hazardous Materials in single or composite packaging or combination packaging for all materials



LIQUID HAZARDOUS MATERIALS

Example of UN Marking for Liquid Hazardous Materials in single or composite packaging



AMBER BOROSILICATE SAMPLE VIALS

- General purpose vials
- Offer protection from harmful light and UV rays for light sensitive products
- See inside back cover for complete descriptions of our Value Added Services



AMBER BOROSILICATE SAMPLE VIALS

| SIZE MM* | CAPACITY DRAM (ML) | NECK FINISH | ATTACHED CAP STYLE | VALUE ADDED SERVICE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|------------|--------------------|-------------|---|---------------------|-----------------|--------------|-----------|
| 15 x 45 | 1 (4) | 13-425 | --- | --- | GLA-05558 | 89237-402 | 144 |
| 17 x 60 | 2 (7.5) | 15-425 | --- | --- | GLA-00799 | 89204-962 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | --- | --- | GLA-00801 | 89422-978 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | --- | --- | GLA-00802 | 93001-766 | 72 |
| 12 x 35 | .50 (1.85) | 8-425 | Green Thermoset F217 & PTFE | --- | GLC-06786 | 35100-106 | 144 |
| 15 x 45 | 1 (4) | 13-425 | Green Thermoset F217 & PTFE | --- | GLC-06787 | 35100-104 | 144 |
| 17 x 60 | 2 (7.5) | 15-425 | Green Thermoset F217 & PTFE | --- | GLC-06788 | 35100-102 | 144 |
| 20.7 x 70 | 4 (15) | 18-400 | Green Thermoset F217 & PTFE | --- | GLC-06789 | 35100-100 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Green Thermoset F217 & PTFE | --- | GLC-01056 | 11311-570 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Green Thermoset F217 & PTFE | --- | GLC-01065 | 93001-596 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Black Phenolic Pulp/Vinyl | --- | GLC-04885 | 16087-084 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Black Phenolic Pulp/Vinyl | --- | GLC-04886 | 16087-104 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Black Phenolic PolyCone | --- | GLC-01061 | 16087-080 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Black Phenolic PolyCone | --- | GLC-04892 | 16087-100 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Black Phenolic Rubber | --- | GLC-04918 | 16087-082 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Black Phenolic Rubber | --- | GLC-05181 | 16087-102 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Green PP Hole Cap & PTFE/Silicone Septa | --- | GLC-01058 | 36319-408 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Green PP Hole Cap & PTFE/Silicone Septa | --- | GLC-01075 | 66175-518 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Polypropylene with PTFE Disc | --- | GLC-04917 | 82027-246 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Polypropylene with PTFE Disc | --- | GLC-05180 | 93001-538 | 144 |
| 12 x 35 | .50 (1.85) | 8-425 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-07015 | 93000-906 | 144 |
| 15 x 45 | 1 (4) | 13-425 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-06029 | 93000-922 | 144 |
| 17 x 60 | 2 (7.5) | 15-425 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-06030 | 93000-912 | 144 |
| 20.7 x 70 | 4 (15) | 18-400 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-06031 | 93000-928 | 144 |

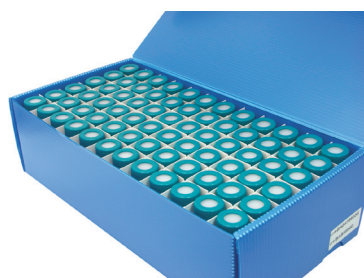


AMBER & CLEAR BOROSILICATE COMPOUND VIALS

- Low profile for greater stability
- Wide mouth for ease of sampling
- Available vial only or Lab-Pak. Lab-Paks include a separate bag of 144 Green Thermoset F217 & PTFE lined caps

AMBER & CLEAR BOROSILICATE COMPOUND VIALS

| COLOR | SIZE MM* | CAPACITY DRAM (ML) | NECK FINISH | ATTACHED CAP STYLE | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------|----------|--------------------|-------------|-----------------------------|-----------------|--------------|-----------|
| Amber | 15 x 22 | 0.33 (1.25) | 13-425 | --- | GLA-07798 | 11311-222 | 144 |
| Amber | 15 x 26 | 0.50 (1.85) | 13-425 | --- | GLA-07799 | 11311-224 | 144 |
| Clear | 15 x 19 | 0.25 (0.95) | 13-425 | --- | GLA-07794 | 11311-214 | 144 |
| Clear | 15 x 22 | 0.33 (1.25) | 13-425 | --- | GLA-07795 | 11311-216 | 144 |
| Clear | 15 x 26 | 0.50 (1.85) | 13-425 | --- | GLA-07796 | 11311-218 | 144 |
| Amber | 15 x 22 | 0.33 (1.25) | 13-425 | Green Thermoset F217 & PTFE | GLC-08767 | 10798-846 | 144 |
| Amber | 15 x 26 | 0.50 (1.85) | 13-425 | Green Thermoset F217 & PTFE | GLC-08768 | 10798-848 | 144 |
| Clear | 15 x 19 | 0.25 (0.95) | 13-425 | Green Thermoset F217 & PTFE | GLC-08763 | 10798-850 | 144 |
| Clear | 15 x 22 | 0.33 (1.25) | 13-425 | Green Thermoset F217 & PTFE | GLC-08764 | 10798-852 | 144 |
| Clear | 15 x 26 | 0.50 (1.85) | 13-425 | Green Thermoset F217 & PTFE | GLC-08765 | 10798-854 | 144 |



CLEAR BOROSILICATE SAMPLE VIALS

- Type I borosilicate glass assures the content's integrity
- Most clear sample vials are packed in blue plastic corrugate to reduce carton dust
- See inside back cover for complete descriptions of our Value Added Services



CLEAR BOROSILICATE SAMPLE VIALS

| SIZE MM* | CAPACITY DRAM (ML) | NECK FINISH | ATTACHED CAP STYLE | VALUE ADDED SERVICE | OORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|--------------|--------------------|-------------|-----------------------------|---------------------|-----------------|--------------|-----------|
| 12 x 35 | .50 (1.85) | 8-425 | --- | --- | GLA-00786 | 66009-550 | 144 |
| 15 x 45 | 1 (4) | 13-425 | --- | --- | GLA-00787 | 66009-551 | 144 |
| 19 x 65 | 3 (11) | 15-425 | --- | --- | GLA-00789 | 66009-553 | 144 |
| 20.7 x 70 | 4 (15) | 18-400 | --- | --- | GLA-00790 | 66009-554 | 144 |
| 27.25 x 57.5 | 5 (20) | 24-400 | --- | --- | GLA-00791 | 66009-566 | 72 |
| 27.75 x 70 | 6 (22) | 24-400 | --- | --- | GLA-00793 | 66009-567 | 72 |
| 25 x 95 | 8 (30) | 22-400 | --- | --- | GLA-00794 | 66009-565 | 144 |
| 29.25 x 81 | 10 (40) | 24-400 | --- | --- | GLA-00798 | 89176-202 | 72 |
| 27.70 x 95 | 10 (40) | 24-414 | --- | --- | GLA-00797 | 82020-462 | 72 |
| 27.75 x 140 | 15 (60) | 24-400 | --- | --- | GLA-08774† | 11311-650 | 72 |
| 20.7 x 70 | 4 (15) | 18-400 | Green Thermoset F217 & PTFE | --- | GLC-00978 | 66009-556 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Green Thermoset F217 & PTFE | --- | GLC-00980 | 66009-557 | 144 |
| 27.5 x 140 | 15 (60) | 24-414 | Green Thermoset F217 & PTFE | --- | GLC-00984 | 66009-558 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Green Thermoset F217 & PTFE | --- | GLC-00988 | 66009-559 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Green Thermoset F217 & PTFE | --- | GLC-00993 | 66009-560 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Green Thermoset F217 & PTFE | --- | GLC-00999 | 66009-562 | 72 |
| 12 x 35 | .50 (1.85) | 8-425 | Green Thermoset F217 & PTFE | --- | GLC-06064 | 93001-640 | 144 |
| 15 x 45 | 1 (4) | 13-425 | Green Thermoset F217 & PTFE | --- | GLC-01002 | 66009-561 | 144 |
| 17 x 60 | 2 (7.5) | 15-425 | Green Thermoset F217 & PTFE | --- | GLC-01006 | 66009-563 | 72 |
| 20.7 x 70 | 4 (15) | 18-400 | Green Thermoset F217 & PTFE | --- | GLC-01008 | 66009-555 | 144 |
| 20.7 x 70 | 4 (15) | 18-400 | Green Thermoset F217 & PTFE | --- | GLC-01039 | 93001-566 | 144 |
| 27.75 x 57 | 5 (20) | 24-400 | Green Thermoset F217 & PTFE | --- | GLC-01022 | 11311-648 | 144 |

*Approximate dimensions without cap

†Indicates item is not available in blue plastic corrugate

CLEAR BOROSILICATE SAMPLE VIALS (CONTINUED)

| SIZE MM* | CAPACITY DRAM (ML) | NECK FINISH | ATTACHED CAP STYLE | VALUE ADDED SERVICE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|--------------|--------------------|-------------|---|-----------------------------------|-----------------|--------------|-----------|
| 12 x 35 | .50 (1.85) | 8-425 | Black Phenolic Pulp/Vinyl | --- | GLC-04878 | 16218-124 | 144 |
| 15 x 45 | 1 (4) | 13-425 | Black Phenolic Pulp/Vinyl | --- | GLC-00983 | 16218-126 | 144 |
| 17 x 60 | 2 (7.5) | 15-425 | Black Phenolic Pulp/Vinyl | --- | GLC-00987 | 16218-128 | 144 |
| 19 x 65 | 3 (11) | 15-425 | Black Phenolic Pulp/Vinyl | --- | GLC-04879 | 16218-130 | 144 |
| 20.7 x 70 | 4 (15) | 18-400 | Black Phenolic Pulp/Vinyl | --- | GLC-00998 | 16218-132 | 144 |
| 27.25 x 57.5 | 5 (20) | 24-400 | Black Phenolic Pulp/Vinyl | --- | GLC-04881 | 16087-066 | 72 |
| 23 x 85 | 6 (22) | 20-400 | Black Phenolic Pulp/Vinyl | --- | GLC-04880 | 16218-134 | 144 |
| 27.75 x 70 | 6 (22) | 24-400 | Black Phenolic Pulp/Vinyl | --- | GLC-04882 | 16087-072 | 72 |
| 25 x 95 | 8 (30) | 22-400 | Black Phenolic Pulp/Vinyl | --- | GLC-01011 | 16218-136 | 144 |
| 29.25 x 81 | 10 (40) | 24-400 | Black Phenolic Pulp/Vinyl | --- | GLC-04883 | 16087-078 | 144 |
| 27.70 x 95 | 10 (40) | 24-414 | Black Phenolic Pulp/Vinyl | --- | GLC-04884 | 16087-090 | 144 |
| 15 x 45 | 1 (4) | 13-425 | Black Phenolic PolyCone | --- | GLC-00982 | 66009-575 | 144 |
| 17 x 60 | 2 (7.5) | 15-425 | Black Phenolic PolyCone | --- | GLC-00986 | 66018-574 | 144 |
| 19 x 65 | 3 (11) | 15-425 | Black Phenolic PolyCone | --- | GLC-00991 | 66009-546 | 144 |
| 20.7 x 70 | 4 (15) | 18-400 | Black Phenolic PolyCone | --- | GLC-00995 | 66009-548 | 144 |
| 27.25 x 57.5 | 5 (20) | 24-400 | Black Phenolic PolyCone | --- | GLC-01001 | 16087-062 | 72 |
| 23 x 85 | 6 (22) | 20-400 | Black Phenolic PolyCone | --- | GLC-01003 | 66018-665 | 144 |
| 27.75 x 70 | 6 (22) | 24-400 | Black Phenolic PolyCone | --- | GLC-01007 | 16087-068 | 72 |
| 25 x 95 | 8 (30) | 22-400 | Black Phenolic PolyCone | --- | GLC-01009 | 16087-058 | 144 |
| 29.25 x 81 | 10 (40) | 24-400 | Black Phenolic PolyCone | --- | GLC-05183 | 16087-074 | 144 |
| 27.70 x 95 | 10 (40) | 24-414 | Black Phenolic PolyCone | --- | GLC-04893 | 18087-086 | 144 |
| 15 x 45 | 1 (4) | 13-425 | Black Phenolic Rubber | --- | GLC-00981 | 16087-042 | 144 |
| 17 x 60 | 2 (7.5) | 15-425 | Black Phenolic Rubber | --- | GLC-00985 | 16087-044 | 144 |
| 19 x 65 | 3 (11) | 15-425 | Black Phenolic Rubber | --- | GLC-05165 | 16087-048 | 144 |
| 20.7 x 70 | 4 (15) | 18-400 | Black Phenolic Rubber | --- | GLC-00994 | 16087-052 | 144 |
| 27.25 x 57.5 | 5 (20) | 24-400 | Black Phenolic Rubber | --- | GLC-04995 | 16087-064 | 72 |
| 23 x 85 | 6 (22) | 20-400 | Black Phenolic Rubber | --- | GLC-04924 | 16087-056 | 144 |
| 27.75 x 70 | 6 (22) | 24-400 | Black Phenolic Rubber | --- | GLC-05167 | 16087-070 | 72 |
| 25 x 95 | 8 (30) | 22-400 | Black Phenolic Rubber | --- | GLC-04925 | 16087-060 | 144 |
| 29.25 x 81 | 10 (40) | 24-400 | Black Phenolic Rubber | --- | GLC-05182 | 16087-076 | 144 |
| 27.70 x 95 | 10 (40) | 24-414 | Black Phenolic Rubber | --- | GLC-04947 | 16087-088 | 144 |
| 27.25 x 57.5 | 5 (20) | 24-400 | Green PP Hole Cap & PTFE/Silicone Septa | --- | GLC-01016 | 66175-520 | 144 |
| 29.25 x 81 | 10 (40) | 24-400 | Green PP Hole Cap & PTFE/Silicone Septa | --- | GLC-01048 | 66175-515 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | Green PP Hole Cap & PTFE/Silicone Septa | --- | GLC-01031 | 82020-162 | 144 |
| 27.5 x 140 | 15 (60) | 24-410 | Green PP Hole Cap & PTFE/Silicone Septa | --- | GLC-07863† | 11311-514 | 72 |
| 27.25 x 57.5 | 5 (20) | 24-400 | Polypropylene with PTFE Disc | --- | GLC-04835 | 16087-122 | 144 |
| 27.70 x 95 | 10 (40) | 24-414 | Polypropylene with PTFE Disc | --- | GLC-05080 | 16087-126 | 144 |
| 29.25 x 81 | 10 (40) | 24-400 | Polypropylene with PTFE Disc | --- | GLC-05184 | 16087-128 | 144 |
| 15 x 45 | 1 (4) | 13-425 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-05185 | 89210-120 | 144 |
| 27.70 x 95 | 10 (40) | 24-414 | Green Thermoset F217 & PTFE | Vacuum & Ionized | GLC-01021 | 89210-118 | 72 |
| 20.7 x 70 | 4 (15) | 18-400 | Black Phenolic PolyCone | Vacuum & Ionized | GLC-00996 | 16151-995 | 144 |
| 27.75 x 95 | 10 (40) | 24-400 | PP Hole Cap & PTFE/Silicone Septa | Cleaned & Certified for Volatiles | GLC-01029 | 16054-224 | 144 |

*Approximate dimensions without cap

†Indicates item is not available in blue plastic corrugate

Lead times & minimum orders may apply to products with Value Added Services. Please contact your VWR Sales Rep or call 800.932.5000 for more information.




POLYPROPYLENE HINGED VIALS

- Polypropylene Hinged Vials are leak-proof and airtight and are produced by using a Sterile-by-Process (aseptic) method
- Manufactured using a unique, patented process that closes the vial lid while still in the mold and prior to ejecting the container
- The process uses temperatures ranging from 390–440 °F which is too high to support living organisms
- Hinged vials remain closed until they are opened for the first time by the user
- The flip-top is integrally hinged to the container, allowing the user to open and close the container with one hand


POLYPROPYLENE HINGED VIALS

| STYLE | SIZE MM | CAPACITY OZ. (ML) | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|---|----------|-------------------|------------------|------------------|-----------|
| Plain | 23 x 84 | 2 (45) | PLC-10039 | 93001-688 | 600 |
| Plain | 50 x 50 | 2.5 (70) | PLC-10049 | 93001-724 | 400 |
| Plain | 33 x 93 | 3 (90) | PLC-10052 | 93001-716 | 400 |
| Graduated Plain | 43 x 90 | 4 (120) | PLC-09773 | 93001-700 | 250 |
| Graduated Plain | 63 x 50 | 4 (120) | PLC-10055 | 93001-702 | 250 |
| Graduated Plain | 75 x 75 | 8 (240) | PLC-10045 | 93001-718 | 150 |
| Graduated Lock Seal Tab | 23 x 84 | 2 (45) | PLC-10050 | 93001-696 | 600 |
| Graduated Lock Seal Tab | 43 x 90 | 4 (120) | PLC-10056 | 93001-730 | 250 |
| Graduated Lock Seal Tab | 63 x 50 | 4 (120) | PLC-10057 | 93001-698 | 250 |
| Graduated Lock Seal Tab | 75 x 75 | 8 (240) | PLC-10051 | 93001-682 | 140 |
| Graduated Lock Seal Tab | 62 x 110 | 10 (300) | PLC-10040 | 93001-720 | 100 |
| Break Off Arrow, Lock Seal Tab & Custody String | 23 x 84 | 2 (45) | PLC-10037 | 93001-678 | 600 |
| Break Off Arrow, Lock Seal Tab & Custody String | 43 x 90 | 4 (120) | PLC-09775 | 89204-964 | 200 |
| Graduated Break Off Arrow, Lock Seal Tab & Custody String | 62 x 110 | 10 (300) | PLC-10041 | 93001-672 | 100 |
| Pre-Preserved with Sodium Thiosulfate with Break Off Arrow Lock Seal Tab & Custody String | 43 x 90 | 4 (120) | PLC-09774 | 93001-694 | 200 |
| Cornell | 25 x 54 | .38 (11) | PLC-10046 | 93001-710 | 500 |
| Graduated Vet | 21 x 95 | .44 (13) | PLC-10047 | 93001-712 | 500 |
| Graduated Vet - Lock Seal | 21 x 95 | .44 (13) | PLC-10048 | 93001-714 | 500 |

DISPOSABLE ALUMINUM DRYING PANS

| SIZE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|-------------------------|-----------------|--------------|----------------|
| 102mm dia. x 5/16" deep | 235998 | 89203-196 | 10 packs of 50 |

Manufacturer's minimum order quantity may apply to Disposable Aluminum Drying Pans. Please call 800.932.5000 for more information.

DISPOSABLE ALUMINUM DRYING PANS

- Oil-free and suggested for general purpose weighing, dispensing, storage, and drying
- Compatible with Mettler, Sartorius, & Denver Inst., etc.
- Small, convenient-to-use inner packs



DISPOSABLE ALUMINUM MOISTURE BALANCE PANS

| SIZE | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|---------------------|-----------------|--------------|-----------------|
| 5" dia. x 3/8" deep | 248965 | 10769-710 | 1 packs of 100 |
| 5" dia. x 3/8" deep | 234795 | 89184-664 | 10 packs of 100 |

DISPOSABLE ALUMINUM MOISTURE BALANCE PANS

- Feature crimped sides and a flat smooth bottom
- Compatible with most moisture balances
- Use with liquid and solid samples including weighing, drying, and moisture determination
- Small, convenient-to-use inner packs



ALUMINUM WEIGH DISHES WITH TAB

| SIZE MM | QORPAK CAT. NO. | VWR CAT. NO. | CASE QTY. |
|---------|-----------------|--------------|-----------|
| 43 | MET-03105 | 93001-768 | 1,000 |
| 57 | MET-03103 | 11311-434 | 1,000 |
| 70 | MET-03106 | 11311-436 | 1,000 |

ALUMINUM WEIGH DISHES WITH TAB

- Use as evaporating dishes, dust covers, or balance pans
- Dishes have no oil residue or vinyl coating



TRADEMARKS AND REGISTERED TRADEMARKS OF BERLIN PACKAGING

- Bottle Beakers®
- Kaptclean®
- Qorpak®
- SturdeeSeal®
- The color **green** for caps™
- Hybrid Packaging Supplier™
- Anything is Possible™

OTHER TRADEMARKS AND REGISTERED TRADEMARKS

- Cubitainer® is a registered trademark of The Hedwin Corp.
- Hedpak® is a registered trademark of The Hedwin Corporation.
- Snap Ring™ is a trademark of J. G. Finneran Associates
- Winpak® is a registered trademark of The Hedwin Corporation

These trademarks and registered trademarks are accurate to the best of our knowledge.

VALUE ADDED SERVICES

Qorpak goes beyond offering a diverse line of lab and packaging supplies. Our advantage is that we provide a wide range of services that can be custom-tailored to your specific needs. Contact your VWR Sales Rep or call 1.800.932.5000 to discuss your individual requirements.

BRAND IDENTITY & INNOVATIVE PACKAGING

- Custom Component & Package Design (Injection/Blow Molding)
- Precleaned Bottles, Jars & Containers
- Safety Coated Bottles, Jars & Containers
- Tested & Approved UN Certified Packaging

PACKAGING & ASSEMBLY

- Counting, Bagging & Sealing Component Parts & Hardware
- Kit Assembly
- Label Printing including UPC Labels & Bar Codes, application
- Re-Packaging
- Shrink Wrapping

SUPPLY CHAIN MANAGEMENT

- Blanket Order Programs
- Consignment Inventory Programs
- Custom-Tailored Inventory
- Distribution
- Fulfillment
- Just-in-Time Delivery
- Local Warehousing
- Specialized Case Pack Configurations



PRECLEANED PROCESSES

All precleaned containers are supplied with caps attached. We offer a wide variety of bottle and closure combinations. Please contact us at **1.800.932.5000** for more information on the bottle/closure/cleaning service combination best suited to your application and for part numbers, pricing, and lead times.

| STYLE | PAGE # | VACUUM & IONIZED | SEMI VOLATILES | VOLATILES | METAL | ULTRA CLEAN | SUPER CLEAN | PRE PRESERVED |
|------------------------------------|--------|------------------|----------------|-----------|-------|-------------|-------------|---------------|
| Amber Boston Rounds | 5 | ✗ | ✗ | | | ✗ | | |
| Clear Boston Rounds | 7 | ✗ | ✗ | | | ✗ | | |
| Amber Wide Mouth Packers | 9 | ✗ | ✗ | | | ✗ | | |
| Clear French Squares | 11 | ✗ | | | | | | |
| Clear Graduated Medium Rounds | 12 | ✗ | | | | | | |
| Clear Standard Wide Mouths | 15 | ✗ | ✗ | | | | | |
| Clear Straight Sided Rounds | 17 | ✗ | ✗ | | | | | |
| Clear Composite Test Jars | 15 | ✗ | | | | | | |
| Clear Tall Straight Sided Rounds | 13 | | ✗ | | | | | |
| Clear Square Tablet Bottles | 11 | ✗ | | | | | | |
| Amber Glass Jugs | 18 | ✗ | ✗ | | | | | |
| Clear Glass Jugs | 18 | ✗ | ✗ | | | | | |
| Natural HDPE Cylinders | 22 | | | | ✗ | | | |
| Natural HDPE Oblongs | 25 | ✗ | | | | | | |
| Natural HDPE Wide Mouth Rounds | 24 | ✗ | | | ✗ | | | |
| Clear PET Packers | 26 | ✗ | | | | | ✗ | |
| Natural HDPE Straight Sided Rounds | 27 | | | | ✗ | | | |
| Natural Polypropylene Jars | 28 | ✗ | | | | | | |
| Amber Borosilicate Vials | 49 | ✗ | | ✗ | | | | ✗ |
| Clear Borosilicate Vials | 51 | ✗ | | ✗ | | ✗ | | ✗ |

Kapclean ENVIRONMENTAL CLEANING PROCESSES

All of our Kapclean® containers are available Cleaned & Certified or Cleaned only. Certificate of Analysis provides a lot and stock number and meets or exceeds specifications.

- Cleaned for Semi-Volatiles: Kapclean® glass sample containers cleaned for semi-volatiles, pesticides, PCBs and metals
- Cleaned for Volatiles: Kapclean® sample containers for use in volatile organic analysis
- Cleaned for metals: Kapclean® HDPE sample containers cleaned for metals meets or exceeds analyte specifications

VACUUM & IONIZATION (V & I)

This Qorpak exclusive process removes contaminants such as loose dirt, carton lint, aerosols, and fine glass particles.

V & I CLEANING PROCESS

1. Compressed air passes through a condensate separator and coalescing filter to remove aerosols and fine dust particles
2. Next, the air passes through an absorbent filter to remove gases
3. A vacuum draws the particulate-laden atmosphere out of the container
4. Individually cleaned closures are immediately placed on the container

BENEFITS OF V & I

- Extremely cost-effective
- Saves time! No need to waste valuable time rewashing bottles
- Provides a clean final appearance. You will not find any dust particles floating in your samples
- Seals cleanliness into each individual bottle. Since each container is individually cleaned, they will not collect dust, flies, and other debris while stored in your lab
- Odor-free and tasteless. The air inside the bottle will not interfere with your product in any way



ULTRA CLEAN

Ultra Clean containers feature a proprietary cleaning process that removes up to 99.5% of particles that are 5 microns and larger. Designed for those needing containers cleaned for general lab use or fluid sampling. The typical cleanliness level for containers less than 100ml is less than 200 particles per container that are larger than 5 microns. For larger containers, the typical cleanliness level is less than 2 particles/ml that are larger than 5 microns. Containers are quality controlled and process certified. For cleaned containers for pharmaceutical and medical device use, lower particle-count applications, or for containers that require a certification of analysis, please inquire about our custom cleaned containers.

SUPER CLEAN/CLEANED FOR OIL ANALYSIS

The Super Clean process is typically used by companies that operate large machinery, which require the oil to undergo various analytical analyses for environmental compliance and/or for routine maintenance of the machinery. Super Clean bottles are cleaned according to Qorpak QC procedures and meet or exceed the following specification: Less than 10 particles in the greater than 10 micron size per ml.

CLEANED FOR TOC

These containers are cleaned for Total Organic Carbons to less than <20ppb or <10ppb depending on customer requirements for use for pharmaceutical and biotechnology applications.

PRE-PRESERVED VIALS

These vials are cleaned to meet or exceed EPA specifications and are supplied with HCL as a preservative. Pre-Preserved vials are supplied with a certificate of analysis to ensure quality. Vials Pre-Preserved with HCL come with the assurance of receiving the highest-grade assay of chemical for the applicable requirements.

DON'T SEE WHAT YOU NEED?

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