



*The new gold standard  
for laboratory glassware.*







## The new gold standard for laboratory glassware.

Designed to meet the needs of the most demanding laboratory professionals, Globe Glass™ laboratory glassware sets the standard for performance and packaging in the glassware marketplace. Top quality borosilicate glass delivers outstanding strength, durability, and chemical resistance. Superior GlassGuard™ packaging has been engineered to ensure that Globe Glass™ products arrive at their destination intact and ready for use, each and every time. Globe Glass™ beakers, Erlenmeyer flasks, volumetric flasks, graduated cylinders, and media bottles are offered in sizes most commonly used in laboratories everywhere.





## Globe Glass™ Gold Standards

### **Premium Raw Materials**

Globe Glass™ laboratory glassware is made exclusively from ASTM E438, Type I, Class A, 3.3 borosilicate glass for excellent resistance to thermal shock and high chemical resistance to most acids, alkalis, and solvents.

### **ASTM Compliant Designs**

Globe Glass™ laboratory glassware meets applicable ASTM standards for volume, shape, dimensions, graduation markings, and calibration. These ASTM standards are clearly marked for easy confirmation that each piece of Globe Glass™ laboratory glassware will meet the needs of laboratory professionals.

### **Precision Manufacturing**

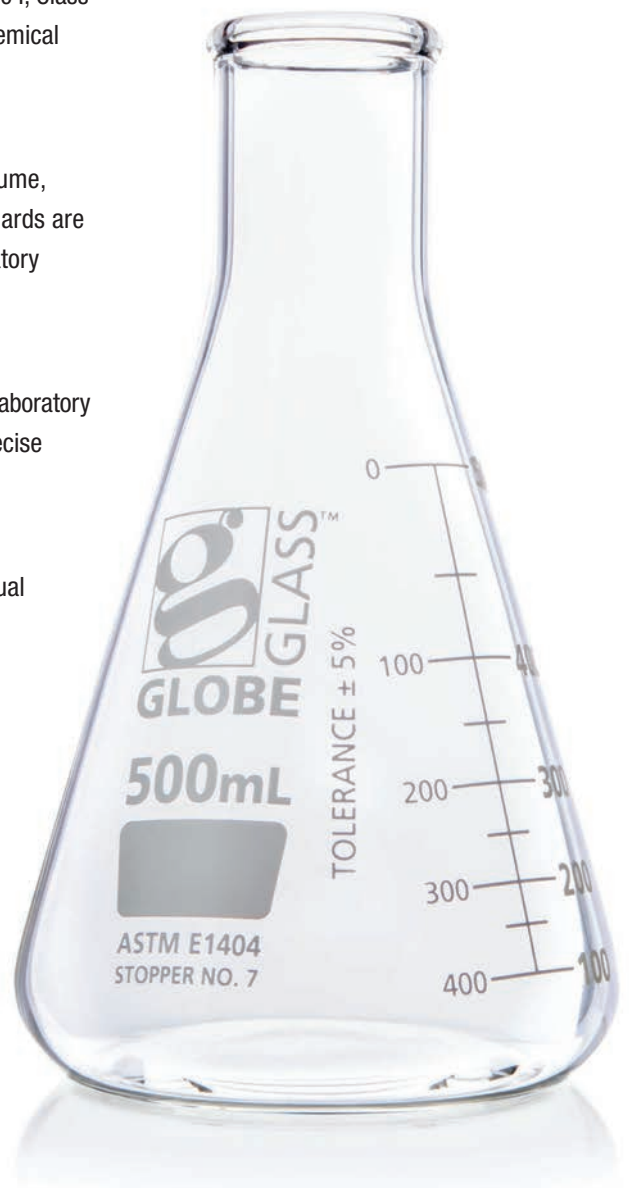
Computer controlled, automated production lines ensure that Globe Glass™ laboratory glassware has consistent wall thickness, flat bottoms free of striations, and precise forming of rims and spouts.

### **White Enamel Marking**

Permanent white enamel markings are ASTM compliant and easy to read. Dual metric scale graduations are included on most items for easy reference while filling or dispensing. Most Globe Glass™ laboratory glassware items include a large, convenient marking area for coding or identification.

### **Quality Systems**

Globe Glass™ laboratory glassware is manufactured under stringent quality controls. Manufacturing facilities are ISO 9001 certified and in-house calibration is performed in an ISO 17025 certified laboratory.



# Media Bottles

## MEDIA BOTTLES

Globe Glass™ media bottles are designed with a wide mouth for ease of filling, dispensing, and pipetting. A drip-free pour ring and autoclavable polypropylene (PP) screw cap enable sterilizations of media and reagents. Globe Glass™ clear media bottles are available in sizes 50mL to 1000mL.

- ASTM E438, Type I, Class A, Borosilicate 3.3 Glass
- GlassGuard™ packaging system protects against transit damage
- GL32 polypropylene (PP) screw cap on size 50mL
- GL45 polypropylene (PP) screw caps on all other sizes
- Polypropylene (PP) pouring ring for drip-free liquid transfer
- High resistance to chemicals
- Dual scale metric graduations
- Durable white enamel printing
- Large white marking area

## Amber Media Bottles

Globe Glass™ amber media bottles have all the same features as our standard media bottles while providing a great option for mixing, storing, and transport of light sensitive solutions and media. Available in sizes 50mL to 2000mL.

- Amber color reduces light transmission

## Square Wide Mouth Media Bottles

Globe Glass™ square wide mouth media bottles are designed with an extra wide mouth for ease of filling, dispensing, and pipetting. The square shape improves storage and transport efficiency. A drip free pour ring and autoclavable polypropylene (PP) screw cap enable sterilization of media and reagents. Globe Glass™ square wide mouth media bottles are available in sizes 500mL, 1000mL, and 2000mL.

- ASTM E438, Type I, Class A, Borosilicate 3.3 Glass
- Square shape improves storage efficiency
- GL80 polypropylene (PP) screw caps
- Pouring ring for drip free liquid transfer
- High resistance to chemicals
- Single scale metric graduations
- Durable white enamel printing
- Large white marking area



All Globe Glass™ media bottles feature a polypropylene (PP) pouring ring for drip-free liquid transfer



8105000





8100500



8110500



8121000

## Media Bottles

| Item #  | Capacity (mL) | Height* (mm) | Widest Outside Diameter (mm) | Graduation Interval (mL) | Graduation Range (mL) | Closure Size | Pack Qty | Case Qty |
|---------|---------------|--------------|------------------------------|--------------------------|-----------------------|--------------|----------|----------|
| 8100050 | 50            | 87           | 46                           | 10                       | 20 to 40              | GL32         | 10       | 40       |
| 8100100 | 100           | 100          | 56                           | 10                       | 20 to 80              | GL45         | 10       | 20       |
| 8100250 | 250           | 138          | 70                           | 25                       | 50 to 200             | GL45         | 10       | 20       |
| 8100500 | 500           | 176          | 86                           | 50                       | 100 to 400            | GL45         | 10       | 10       |
| 8101000 | 1000          | 225          | 101                          | 50                       | 100 to 900            | GL45         | 10       | 10       |
| 8102000 | 2000          | 260          | 136                          | 100                      | 400 to 1800           | GL45         | 10       | 10       |
| 8105000 | 5000          | 330          | 186                          | 250                      | 100 to 4500           | GL45         | 1        | 1        |
| 810010K | 10000         | 410          | 238                          | 500                      | 2000 to 9000          | GL45         | 1        | 1        |

## Amber Media Bottles

| Item #  | Capacity (mL) | Height* (mm) | Widest Outside Diameter (mm) | Graduation Interval (mL) | Graduation Range (mL) | Closure Size | Pack Qty | Case Qty |
|---------|---------------|--------------|------------------------------|--------------------------|-----------------------|--------------|----------|----------|
| 8110050 | 50            | 87           | 46                           | 10                       | 20 to 40              | GL32         | 10       | 40       |
| 8110100 | 100           | 100          | 56                           | 10                       | 20 to 80              | GL45         | 10       | 20       |
| 8110250 | 250           | 138          | 70                           | 25                       | 50 to 200             | GL45         | 10       | 20       |
| 8110500 | 500           | 176          | 86                           | 50                       | 100 to 400            | GL45         | 10       | 10       |
| 8111000 | 1000          | 225          | 101                          | 50                       | 100 to 900            | GL45         | 10       | 10       |
| 8112000 | 2000          | 260          | 136                          | 100                      | 400 to 1800           | GL45         | 10       | 10       |

## Square Media Bottles

| Item #  | Capacity (mL) | Height* (mm) | Outside Dimensions (mm) | Graduation Interval (mL) | Graduation Range (mL) | Closure Size | Pack Qty | Case Qty |
|---------|---------------|--------------|-------------------------|--------------------------|-----------------------|--------------|----------|----------|
| 8120500 | 500           | 134          | 94 x 94 square          | 50                       | 100 to 400            | GL80         | 10       | 10       |
| 8121000 | 1000          | 180          | 105 x 105 square        | 50                       | 100 to 900            | GL80         | 10       | 10       |
| 8122000 | 2000          | 253          | 115 x 115 square        | 100                      | 400 to 1800           | GL80         | 10       | 10       |

\*All heights are without cap.



## Technical Information

**Globe Glass™** glassware is made exclusively from ASTM E438, Type I, Class A, 3.3 borosilicate glass. Low coefficient of thermal expansion provides exceptional resistance to thermal shock. The glass has chemical resistance to most acids, alkalis, and solvents.

**Chemical Composition** – Globe Glass™ raw material is a low alkali borosilicate glass typically composed of 81% SiO<sub>2</sub>, 13% B<sub>2</sub>O<sub>3</sub>, and 4% Na<sub>2</sub>O.

### Thermal Properties:

- Coefficient of Linear Expansion:  $32.5 \times 10^{-7}$  cm/cm/°C
- Strain Point: 515°C
- Annealing Point: 565°C
- Softening Point: 820°C
- Specific Heat: 0.2
- Thermal Conductivity: 0.0027 Cal/cm<sup>3</sup>/°C/Sec

**Chemical Resistance** – Globe Glass™ borosilicate glass is highly resistant to water, neutral and acid solutions, concentrated acids and their solutions, as well as bromine, chlorine, iodine, and organic matter. Only hydrofluoric acid, very hot phosphoric acid, and alkaline solutions attack the glass.

**Optical Properties** – Globe Glass™ laboratory glassware appears colorless and shows no noticeable absorption of light in the visible spectrum.

