



*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

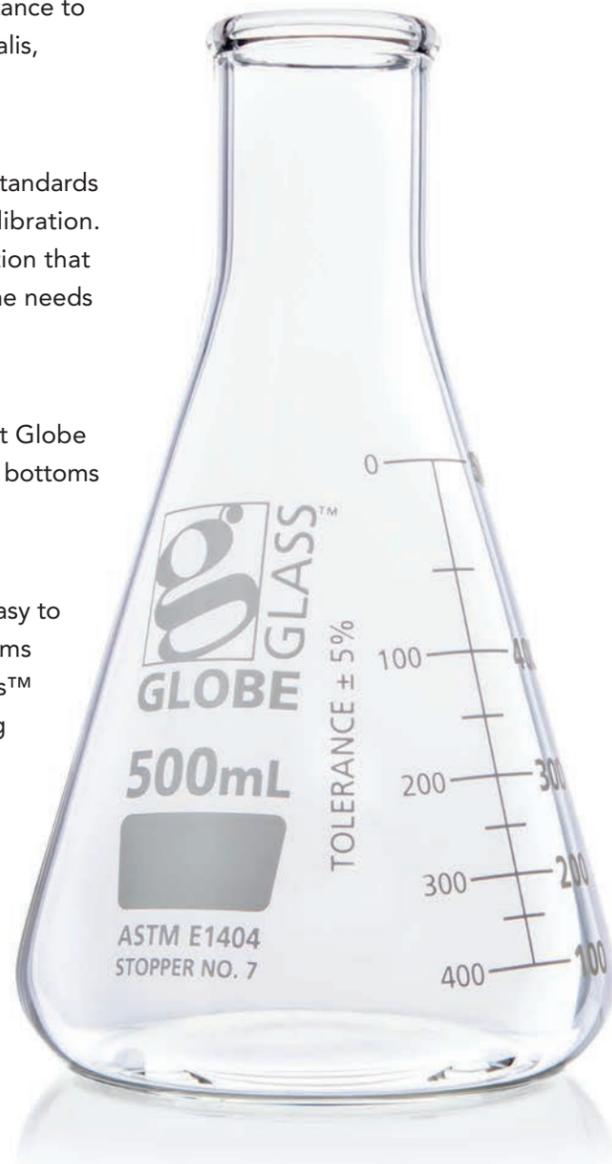
Computer controlled, automated production lines ensure that Globe Glass™ laboratory glassware has consistent wall thickness, flat bottoms free of striations, and precise forming of rims and spouts.

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

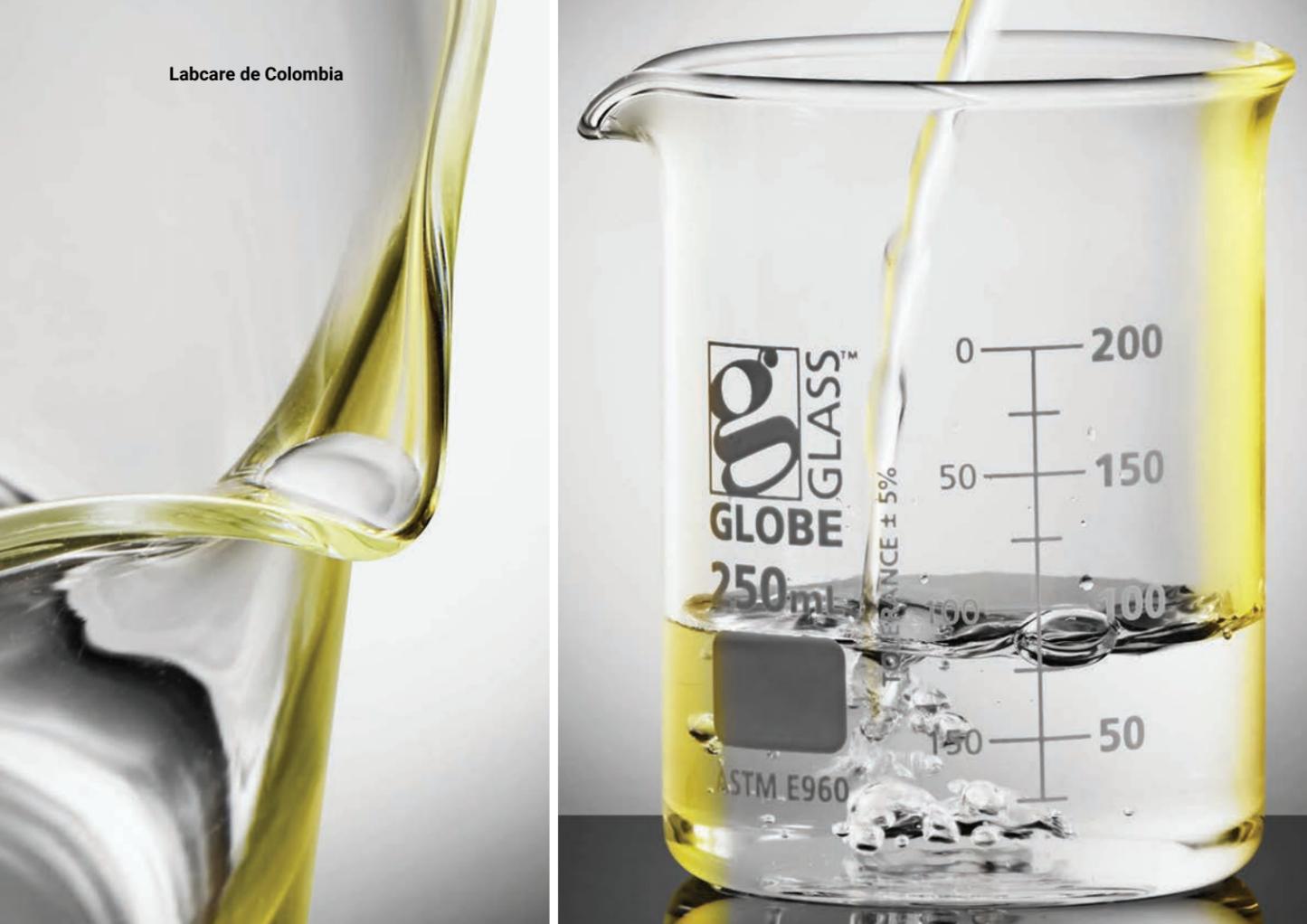
Globe Glass™ laboratory glassware is manufactured under stringent quality controls. Manufacturing facilities are ISO 9001 certified and in-house calibration is performed in an ISO 17025 certified laboratory.



Exclusive GlassGuard™ Packaging System

Engineered to meet the hazards and rigors of transportation, GlassGuard™ packaging protects Globe Glass™ laboratory glassware during shipment. Robust packaging designs begin at the pack level and extend to the full case packaging. Heavy duty, multi-layered corrugated container systems meet rigid quality standards and testing protocols to provide exceptional protection from damage, even in the small parcel shipping environment.





Low Form Griffin Style Beakers

Uniform wall thickness, flat bottoms, and low expansion 3.3 Borosilicate glass make Globe Glass™ low form Griffin style beakers strong and durable with excellent resistance to thermal shock. Beaded rims and formed spouts facilitate accurate and steady pouring of liquids. Globe Glass™ low form Griffin style beakers are available in sizes from 10mL to 4000mL.

- ASTM E960 Type I Specifications
- Formed pour spout for easy pouring
- High resistance to chemicals
- Uniform wall thickness
- Dual metric scale graduations
- Durable white enamel printing
- Large white marking area



See full product table on page 16. >>



Erlenmeyer Flasks

Globe Glass™ Erlenmeyer flasks meet ASTM E1404 specifications for narrow mouth, wide mouth and screw cap options and are available in a wide range of sizes. Wide mouth flasks allow easy access to contents, while screw cap flasks include a GL45 cap with a PTFE liner for a leak resistant closure. Globe Glass™ narrow and wide mouth Erlenmeyer flasks are designed with reinforced, beaded rims for strength and resistance to chipping.

- Meet ASTM E1404 Specifications
- High resistance to chemicals
- Uniform wall thickness
- Reinforced beaded rims to resist chipping*
- PTFE lined GL 45 polypropylene (PP) screw cap **
- Dual metric scale graduations *
- Single metric scale graduations**
- Durable white enamel printing
- Large white marking area

*Narrow and wide mouth options

**Screw cap options

See full product table on page 16. >>





Volumetric Flasks

Each Globe Glass™ volumetric flask is calibrated to meet ASTM tolerance specifications for precise measurement in solution preparation and dilution. A diamond etched graduation line indicates the calibrated capacity of each flask. Wide mouth options are available for easier filling and mixing. Globe Glass™ volumetric flasks are offered in sizes from 1mL to 2000mL and with Class A or Class B calibration tolerances. Class A volumetric flasks include a batch calibration report.

- Meet ASTM E288 Specification – Sizes 5mL to 2000mL
- Meet ASTM E237 Specification – Sizes 1mL and 2mL
- Calibrated TC – “To Contain”
- Class A calibration tolerance for highest accuracy and the most critical laboratory work
- Class B calibration tolerance for general laboratory work
- Supplied with glass pennyhead stoppers
- Diamond etched graduation marks
- High resistance to chemicals
- Durable white enamel printing
- Large white marking area

See full product table on page 17. >>



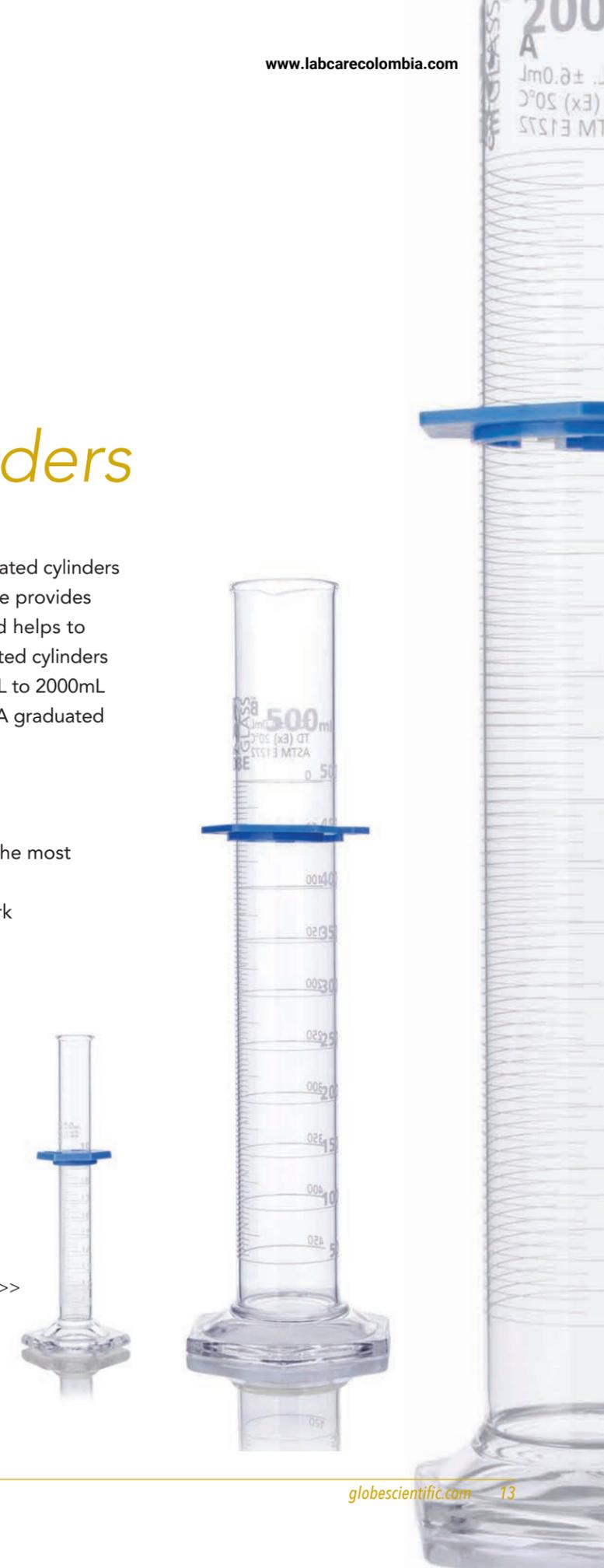


Graduated Cylinders

Calibrated to ASTM E1272 standards, Globe Glass™ graduated cylinders measure precise volumes of liquids. A solid hexagonal base provides stability, and an included polyethylene (PE) bumper guard helps to protect against accidental breakage. Globe Glass™ graduated cylinders are calibrated TD "To Deliver" and are available in sizes 5mL to 2000mL with Class A or Class B calibration tolerance options. Class A graduated cylinders include a batch calibration report.

- Meet ASTM E1272 Style 1 Specification
- Calibrated TD – "To Deliver"
- Class A calibration tolerance for highest accuracy and the most critical laboratory work
- Class B calibration tolerance for general laboratory work
- Pour spout for easy liquid transfer
- Beaded rim for strength and durability
- High resistance to chemicals
- Dual scale metric graduations
- Durable white enamel printing

See full product table on page 18. >>





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™ media bottles are available in sizes 50mL to 10000mL.

- ASTM E438, Type I, Class A, Borosilicate 3.3 Glass
- GL32 polypropylene (PP) screw cap on size 50mL
- GL45 polypropylene (PP) screw caps on sizes 100mL to 10,000mL
- 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



See full product table on page 19. >>





Low Form Griffin Style Beakers

| Item # | Capacity (mL) | Height (mm) | Widest Outside Diameter (mm) | Graduation Interval (mL) | Graduation Range (mL) | Pack Qty | Case Qty |
|---------|---------------|-------------|------------------------------|--------------------------|-----------------------|----------|----------|
| 8010010 | 10 | 33 | 23 | NA | NA | 12 | 48 |
| 8010020 | 20 | 43 | 30 | 5 | 5 to 15 | 12 | 48 |
| 8010030 | 30 | 53 | 33 | 10 | 5 to 25 | 12 | 48 |
| 8010050 | 50 | 58 | 39 | 10 | 10 to 40 | 12 | 48 |
| 8010100 | 100 | 73 | 50 | 10 | 20 to 80 | 12 | 48 |
| 8010150 | 150 | 88 | 57 | 10 | 20 to 140 | 12 | 48 |
| 8010250 | 250 | 95 | 67 | 25 | 25 to 200 | 12 | 48 |
| 8010400 | 400 | 113 | 77 | 25 | 25 to 325 | 12 | 48 |
| 8010600 | 600 | 125 | 88 | 50 | 50 to 500 | 6 | 36 |
| 8010800 | 800 | 135 | 98 | 50 | 50 to 750 | 6 | 24 |
| 8011000 | 1000 | 157 | 108 | 50 | 50 to 1000 | 6 | 24 |
| 8012000 | 2000 | 188 | 130 | 100 | 200 to 1800 | 4 | 8 |
| 8014000 | 4000 | 250 | 161 | 250 | 500 to 3500 | 1 | 6 |



Griffin style beakers available in 13 sizes.

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Erlenmeyer Flasks

| Item # | Capacity (mL) | Height* (mm) | Widest Outside Diameter (mm) | Graduation Interval (mL) | Graduation Range (mL) | Rubber Stopper Size | Pack Qty | Case Qty |
|---------------------|---------------|--------------|------------------------------|--------------------------|-----------------------|---------------------|----------|----------|
| Narrow Mouth | | | | | | | | |
| 8400025 | 25 | 65 | 40 | 5 | 10 to 25 | 0 | 12 | 48 |
| 8400050 | 50 | 81 | 50 | 10 | 20 to 50 | 1 | 12 | 48 |
| 8400125 | 125 | 115 | 67 | 25 | 50 to 125 | 5 | 12 | 48 |
| 8400250 | 250 | 136 | 82 | 25 | 50 to 250 | 6 | 12 | 48 |
| 8400300 | 300 | 144 | 88 | 25 | 50 to 300 | 6 | 12 | 48 |
| 8400500 | 500 | 178 | 103 | 50 | 100 to 500 | 7 | 6 | 36 |
| 8401000 | 1000 | 219 | 128 | 50 | 250 to 1000 | 9 | 6 | 24 |
| 8402000 | 2000 | 280 | 164 | 100 | 600 to 2000 | 10 | 4 | 8 |
| Wide Mouth | | | | | | | | |
| 8410125 | 125 | 115 | 67 | 25 | 50 to 125 | 6 | 12 | 48 |
| 8410250 | 250 | 136 | 82 | 25 | 50 to 250 | 8 | 12 | 48 |
| 8410500 | 500 | 103 | 103 | 50 | 100 to 500 | 10 | 6 | 36 |
| 8411000 | 1000 | 128 | 128 | 50 | 250 to 1000 | 11 | 6 | 24 |
| Screw Cap | | | | | | | | |
| Closure Size | | | | | | | | |
| 8420250 | 250 | 140 | 85 | 25 | 50 to 250 | GL45 | 6 | 12 |
| 8420500 | 500 | 175 | 105 | 50 | 100 to 500 | GL45 | 6 | 6 |
| 8421000 | 1000 | 220 | 131 | 50 | 250 to 1000 | GL45 | 4 | 4 |
| 8422000 | 2000 | 280 | 166 | 100 | 600 to 2000 | GL45 | 1 | 2 |

Narrow mouth Erlenmeyer flasks available in 8 sizes.



Wide mouth Erlenmeyer flasks available in 4 sizes.



Screw cap Erlenmeyer flasks available in 4 sizes.



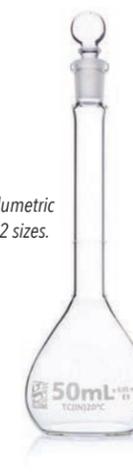
*Height is without cap.

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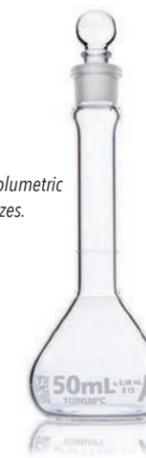
Volumetric Flasks

| Item # | Capacity (mL) | Tolerance (mL) | Height Without Stopper (mm) | Outside Diameter (mm) | Stopper Size | Pack Qty | Case Qty |
|---|---------------|----------------|-----------------------------|-----------------------|--------------|----------|----------|
| Calibration Class A | | | | | | | |
| 8200001 | 1 | 0.01 | 65 | 13 | 8 | 6 | 12 |
| 8200002 | 2 | 0.02 | 70 | 17 | 8 | 6 | 12 |
| 8200005 | 5 | 0.02 | 70 | 22 | 9 | 6 | 12 |
| 8200010 | 10 | 0.02 | 90 | 28 | 9 | 6 | 12 |
| 8200025 | 25 | 0.03 | 110 | 40 | 9 | 6 | 12 |
| 8200050 | 50 | 0.05 | 140 | 50 | 9 | 6 | 12 |
| 8200100 | 100 | 0.08 | 170 | 60 | 13 | 6 | 12 |
| 8200200 | 200 | 0.10 | 210 | 75 | 16 | 6 | 12 |
| 8200250 | 250 | 0.12 | 220 | 80 | 16 | 6 | 12 |
| 8200500 | 500 | 0.20 | 260 | 100 | 19 | 6 | 12 |
| 8201000 | 1000 | 0.30 | 300 | 125 | 22 | 1 | 6 |
| 8202000 | 2000 | 0.50 | 370 | 160 | 27 | 1 | 4 |
| Calibration Class A - WIDE MOUTH | | | | | | | |
| 8230005 | 5 | 0.08 | 70 | 22 | 13 | 6 | 12 |
| 8230010 | 10 | 0.08 | 90 | 28 | 13 | 6 | 12 |
| 8230020 | 20 | 0.08 | 110 | 40 | 13 | 6 | 12 |
| 8230025 | 25 | 0.08 | 110 | 40 | 13 | 6 | 12 |
| 8230050 | 50 | 0.08 | 130 | 52 | 13 | 6 | 12 |
| 8230100 | 100 | 0.10 | 160 | 63 | 16 | 6 | 12 |
| 8230200 | 200 | 0.20 | 200 | 76 | 19 | 6 | 12 |
| 8230250 | 250 | 0.20 | 225 | 82 | 19 | 6 | 12 |
| Calibration Class B | | | | | | | |
| 8250010 | 10 | 0.04 | 90 | 28 | 9 | 6 | 12 |
| 8250025 | 25 | 0.06 | 110 | 40 | 9 | 6 | 12 |
| 8250050 | 50 | 0.10 | 140 | 50 | 9 | 6 | 12 |
| 8250100 | 100 | 0.16 | 170 | 60 | 13 | 6 | 12 |
| 8250200 | 200 | 0.20 | 210 | 75 | 16 | 6 | 12 |
| 8250250 | 250 | 0.24 | 220 | 80 | 16 | 6 | 12 |
| 8250500 | 500 | 0.40 | 260 | 100 | 19 | 6 | 12 |
| 8251000 | 1000 | 0.60 | 300 | 125 | 22 | 1 | 6 |
| 8252000 | 2000 | 1.00 | 370 | 160 | 27 | 1 | 4 |

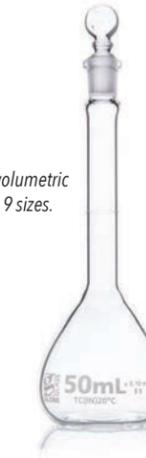
Class A standard volumetric flasks available in 12 sizes.



Class A wide mouth volumetric flasks available in 8 sizes.



Class B standard volumetric flasks available in 9 sizes.



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Class A graduated cylinders available in 9 sizes.

Class B graduated cylinders available in 9 sizes.



Media bottles available in 8 sizes.

Graduated Cylinders

| Item # | Capacity (mL) | Tolerance (mL) | Graduation Interval (mL) | Height (mm) | Pack Qty | Case Qty |
|----------------------------|---------------|----------------|--------------------------|-------------|----------|----------|
| Calibration Class A | | | | | | |
| 8300005 | 5 | 0.05 | 0.1 | 113 | 1 | 6 |
| 8300010 | 10 | 0.1 | 0.1 | 137 | 1 | 6 |
| 8300025 | 25 | 0.17 | 0.2 | 167 | 1 | 6 |
| 8300050 | 50 | 0.25 | 1 | 195 | 1 | 6 |
| 8300100 | 100 | 0.5 | 1 | 257 | 1 | 6 |
| 8300250 | 250 | 1 | 2 | 330 | 1 | 4 |
| 8300500 | 500 | 2 | 5 | 385 | 1 | 4 |
| 8301000 | 1000 | 3 | 10 | 460 | 1 | 1 |
| 8302000 | 2000 | 6 | 20 | 565 | 1 | 1 |
| Calibration Class B | | | | | | |
| 8330005 | 5 | 0.1 | 0.1 | 113 | 4 | 24 |
| 8330010 | 10 | 0.2 | 0.1 | 137 | 4 | 24 |
| 8330025 | 25 | 0.35 | 0.2 | 167 | 4 | 24 |
| 8330050 | 50 | 0.5 | 1 | 195 | 4 | 24 |
| 8330100 | 100 | 1 | 1 | 257 | 4 | 24 |
| 8330250 | 250 | 2 | 2 | 330 | 2 | 12 |
| 8330500 | 500 | 4 | 5 | 385 | 1 | 8 |
| 8331000 | 1000 | 6 | 10 | 460 | 1 | 4 |
| 8332000 | 2000 | 12 | 20 | 565 | 1 | 4 |

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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 |

*Height is without cap.

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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% SiO₂, 13% B₂O₃, and 4% Na₂O.

Thermal Properties:

- Coefficient of Linear Expansion: 32.5 x 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/cm³/°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.



Globe Scientific is a leading producer of high-quality laboratory plasticware, glassware and equipment. Our products are sold worldwide and are used in many industries including Clinical, Research, Hospital, Veterinary and Specialty markets.

- Analyzer Consumables
- Bags
- Beakers
- Bench Top Equipment
- Biohazard Specimen Bags
- Blood Collection Products
- Bottles
- Capillary Tubes
- Carboys
- Centrifuges
- Centrifuge Tubes
- Coolers, Chillers, Ice Buckets
- Containers
- Cryogenic Vials
- Cylinders
- Drug Test Containers
- Drying Racks
- ESR Systems
- Formalin Filled Containers
- Formalin Neutralization
- Funnels
- Glassware
- Inoculation Loops
- Microhematocrit Tubes
- Microcentrifuge Tubes
- Microscope Slides
- Microtitration Plates
- Pathology Containers
- PCR Products
- Pipettors
- Pipette Tips
- Racks, Dispensers, Boxes
- Reagent Reservoirs
- Serological Pipettes
- Slide Mailers
- Syringe Filters
- Tapes and Labels
- Test Tubes
- Transfer Pipets
- Urinalysis Products
- Vortex Mixers
- Weighing Dishes



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