



WINSON GLASS

Laboratory Glassware Gallery

www.glasswaree.com



Glassware used in laboratories is unique in that it must be corrosion resistant, heat resistant and easy to handle. For these reasons, the majority of WINSON glassware is made from borosilicate glass.

WINSON has specialized in laboratory glassware for over 12 years. Our extensive catalogue showcases an array of specialized glassware, each meticulously designed for a specific purpose in the lab. Whether you're conducting rigorous chemical reactions or delicate precision work, WINSON has the ideal glassware to suit your needs.

Explore our gallery to discover the wide range of chemical laboratory glassware that WINSON provides, along with their unique names and detailed descriptions.

Empower your research with WINSON, where quality meets practicality.

Product Categories



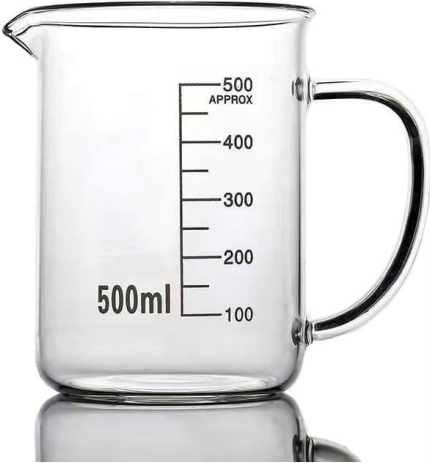

| | | | |
|------------------------|--------------------------|----------------------------|--------------------------|
| Beakers | Laboratory Flasks | Graduated Cylinders | Volumetric Flasks |
| Reagent Bottles | Funnels | Lab Dishes | Test Tubes |

Beakers







Essential to any laboratory, beakers facilitate routine measurements and mixtures with about 10% volume accuracy. WINSON's beakers, made from premium borosilicate glass 3.3, provide reliable, superior performance. The flat bottom offers stable placement, while the eagle beak spout ensures smooth pouring. The wide opening simplifies material addition, ideal for mixing and transferring liquids. Plus, our beakers are easy to clean, making them a practical choice for everyday lab use. Choose WINSON for convenience and functionality in laboratory glassware.

Four Styles of Beakers

| Low Form Beakers | Tall Form Beakers |
|---|---|
|  |  |
| Beakers with Handle | Conical Beakers |
|  |  |

Details Displaying

| | |
|---|--|
|  |  |
| <p>100% Borosilicate Glass 3.3</p> | <p>With notch, easy to pour liquid</p> |
|  |  |
| <p>Clear Scales</p> | <p>Exquisite Glass, Beautiful and Texture</p> |

Parameter Range

| Description | Capacity (ml) | O. dia. (mm) | Height (mm) | Common Capacity (mm) |
|--------------------|---------------|--------------|-------------|----------------------|
| Beaker Low Form | 5-10000 | 22-228 | 30-325 | 25ml, 50ml, 100ml |
| Beaker Tall Form | 5-3000 | 40-135 | 68-280 | 100ml |
| Beaker with Handle | 50-2000 | 45-133 | 60-185 | 250ml |
| Conical Beaker | 125-500 | 56-87 | 112-154 | 125ml |

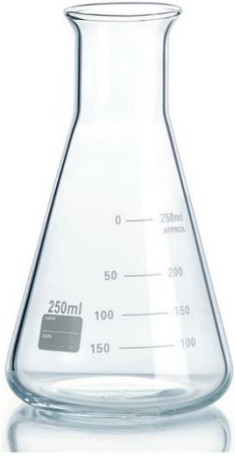



Laboratory Flasks

Within the dynamic universe of a laboratory, the Bunsen burner's steady flame and the noble profile of flasks like the Erlenmeyer and Florence define the rhythm of scientific discovery. Made from the resilient borosilicate glass, these flasks exemplify the union of form and function, providing exceptional heat endurance and resistance to chemical corrosion.

An Erlenmeyer flask—its elegant conical form tapering into a narrow neck—allows safe swirling of liquids, minimizing spillage and evaporation, making it ideal for mixing and measuring. Its sibling, the Florence flask, possesses a distinctive round-bottom design, providing uniform heat distribution and efficient mixing of substances. This subtle roundness offers an embrace to the fiery dance of chemical reactions, ensuring the stability of these balletic movements on laboratory benches or hot plates.

Both flasks feature clear volume markings for measurements with an accuracy within 10%. Moreover, their easy-to-clean nature supports rigorous scientific work, ensuring readiness for the next experiment. In the grand choreography of scientific exploration, from ordinary reactions to complex distillations, these flasks play an indispensable role. Experience the poetic harmony of science with these elegantly practical pieces of laboratory glassware.

Styles of the Lab Flasks

| Erlenmeyer Flask, Wide Mouth | Flat Bottom Flask, Round |
|---|---|
|  |  |
| Round Flask, Three Neck, Parallel | Round Flask, Three Neck at Angle |
|  |  |

1, Erlenmeyer Flask







The Erlenmeyer Flask, an icon in the chemistry laboratory, boasts a conical design and a slender neck, ideal for holding, clamping, or sealing with a stopper. It's a versatile tool, adept in measuring, mixing, and storing liquids, with its unique shape lending stability and reducing spill risk.

Crafted primarily from borosilicate glass, these flasks withstand heating over flames or autoclaving, reinforcing their indispensability. They come in a variety of sizes to suit your needs, with the most common being 250ml and 500ml, though options range from 50ml up to 1000ml.

To preserve contents, these flasks can be sealed with corks or stoppers, or covered with plastic film, paraffin, or a watch glass. Practical, versatile, and durable, the Erlenmeyer Flask is truly a cornerstone of laboratory glassware.

Details Displaying

| | |
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|  |  |
| <p>100% Borosilicate Glass 3.3 High temperature resistance Acid and alkali resistance</p> | <p>Thickened Material Strong and Durable Not easy to damage</p> |
|  |  |
| <p>Glossy and transparent High light transmittance</p> | <p>Multiple size options Choose on demand</p> |

Parameter Range





| Description | Capacity (ml) | O. dia. (mm) | Height (mm) | Common Capacity (mm) |
|--------------------------------------|------------------|-----------------|----------------|-------------------------|
| Erlenmeyer Flask Wide Mouth | 50-5000 | 54-235 | 81-390 | 50ml, 100ml |
| Erlenmeyer Flask Straight Neck | 5-10000 | 25-295 | 50-448 | 50ml, 250ml |
| Filtering Flask with Side Arm | 125-2000 | 75-365 | 130-510 | 250ml |
| Conical Flask with Thread Cap | 50-1000 | 45-120 | 80-210 | 500ml |
| Iodine Flask | 50-1000 | 53-130 | 92-225 | 100ml |
| Erlenmeyer Flask with Ground Stopper | 25-2000 | 42-168 | 88-315 | 250ml |

2, Florence Flask, or round-bottom flask



A Florence flask, with its signature round bottom and robust borosilicate glass structure, is designed to endure significant temperature fluctuations. Care is paramount, though; avoid placing a hot flask on a cold lab bench, which could lead to damage. Regular inspections of the flask before heating or cooling, and wearing safety goggles during temperature changes, are crucial practices to prevent accidents. Keep in mind that both certain chemicals and improper heating can weaken the glass, potentially causing it to shatter, underscoring the need for proper handling of this vital lab tool.

Details Displaying

| | |
|---|--|
|  |  |
| <p>100% Borosilicate Glass 3.3 Delicate bottle mouth</p> | <p>The bottle bottom is flat and smoothly placed</p> |
|  |  |
| <p>Smooth surface, beautiful and generous</p> | <p>High strength, high temperature resistant.</p> |

Parameter Range





| Description | Capacity (ml) | O. dia. (mm) | Height (mm) | Common Capacity (mm) |
|--------------------|---------------|--------------|-------------|----------------------|
| Flat bottom Flask | 50-10000 | 51-290 | 105-400 | 250ml, 500ml |
| Round bottom Flask | 50-10000 | 51-290 | 105-400 | 250ml, 500ml |

3, Erlenmeyer Bulb



Also known as a round bottom flask, the Erlenmeyer bulb sports a distinct design with a conical ground glass joint at the neck's end. This unique construction optimizes its utility in laboratory procedures that require uniform heating or boiling of a sample. Its design embodies efficiency and precision, making it an indispensable tool for intricate scientific explorations.

Details Displaying

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|---|--|
|  |  |
| <p>Smooth surface, high transparency</p> | <p>Weld seam fit, excellent workmanship</p> |
|  |  |
| <p>Uniform thickness, good heat conduction</p> | <p>Low coefficient of thermal expansion</p> |

Parameter Details



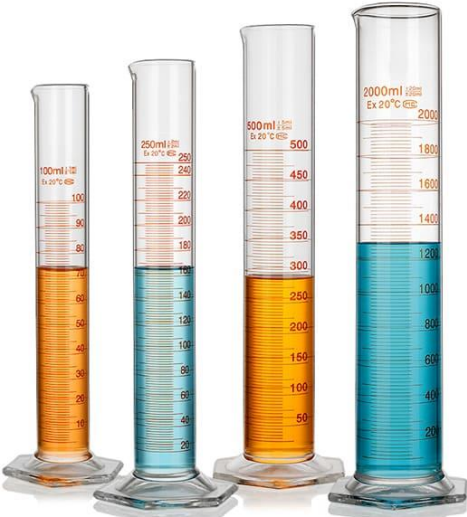

| Description | Capacity (ml) | O. dia. (mm) | Height (mm) | Common Capacity (mm) |
|-----------------|---------------|--------------|-------------|----------------------|
| Muli-Neck Flask | 5-50000 | 60-630 | 24-370 | 250ml |

Graduated Cylinder



Graduated cylinders, an integral part of any laboratory setup, are precisely designed for accurate volume measurements. They can further aid in density calculations of a known-mass object. Typically crafted from borosilicate glass for durability, you can also find them in plastic for certain applications. They come in a range of sizes, from 10ml to 1000ml. For optimal precision, choose a cylinder where your intended volume measurement occupies the upper half, significantly minimizing potential errors, and thereby ensuring scientific accuracy.

Four Styles of the Graduated Cylinders

| Conical Measuring Cylinder | Round Bottom Measuring Cylinder |
|---|--|
|  |  |
| Hexagon Bottom Glass Graduated Cylinder | Hexagon Plastic Base Graduated Cylinder |
|  |  |

Details Displaying

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|  | |  |
| <p>Clear scale, easy to see the volume</p> | | <p>Notch is convenient for pouring liquid</p> |
|  | |  |
| <p>The three points support is more stable</p> | | <p>Easy to clean</p> |

Parameter Range

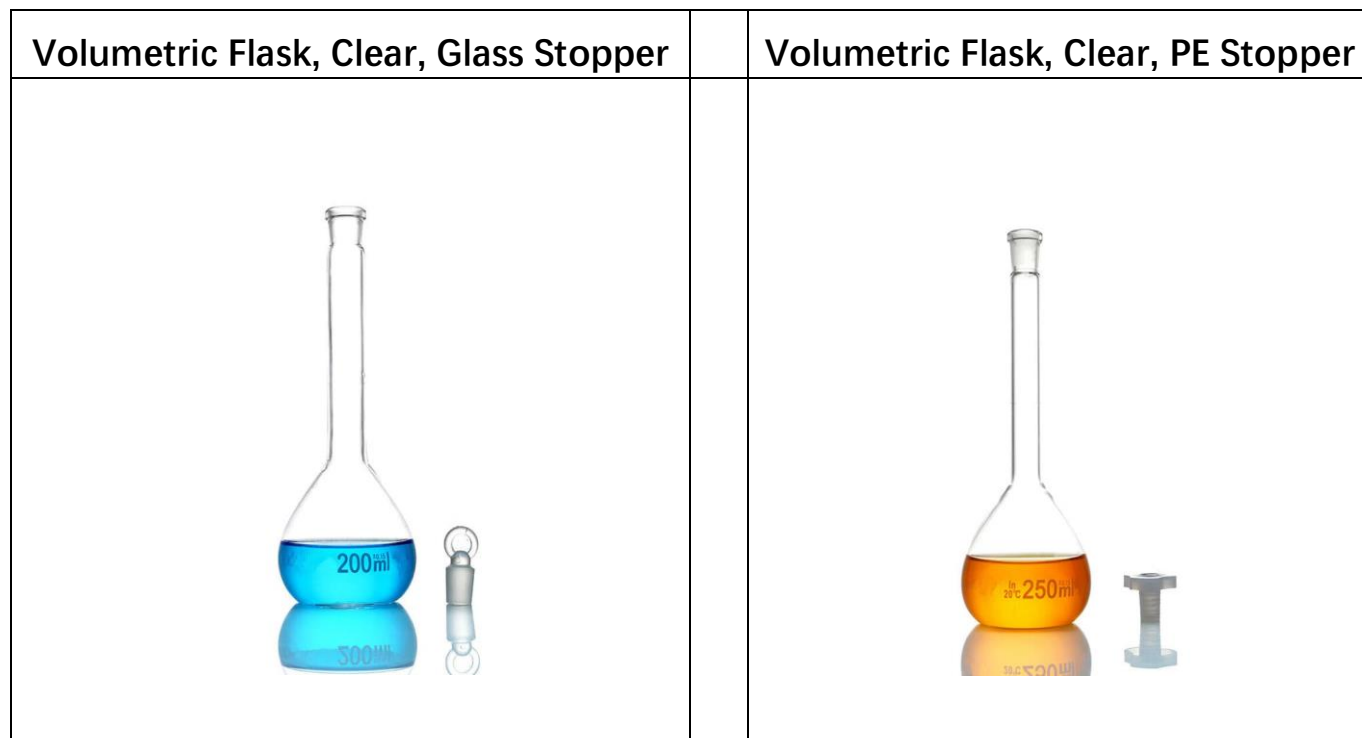
| Description | Capacity (ml) | Sub. Division (ml) | O. dia. (mm) | Height (mm) | Accuracy (\pm ml) | Common Capacity (mm) |
|--------------------------------------|---------------|--------------------|--------------|-------------|----------------------|----------------------|
| Graduated Cylinder with Round Base | 5-2000 | 0.1-20 | 36-137 | 115-520 | $\pm 0.1 - \pm 20$ | 50ml, 100ml |
| Graduated Cylinder with Hexagon Base | 5-2000 | 0.1-20 | 14-90 | 120-570 | $\pm 0.05 - \pm 6$ | 100ml, 250ml |
| Measuring Cylinder Cup | 5-2000 | / | 30-163 | 83-350 | / | 50ml, 100ml |
| Measuring Cylinder with Stopper | 10-1000 | 0.2-10 | 35-106 | 128-445 | $\pm 0.1 - \pm 5$ | 100ml |

Volumetric Flask



Volumetric flasks are pivotal in preparing precise chemistry solutions. Their hallmark is a lengthy neck marked with a line to measure a specific volume. Crafted typically from borosilicate glass for its robustness, these flasks come with either a flat or round bottom, more commonly flat. Typical sizes are 25, 50, 100, 250, 500, 1000 ml., volumetric flasks cater to a multitude of laboratory needs, enabling accurate and efficient solution preparation.




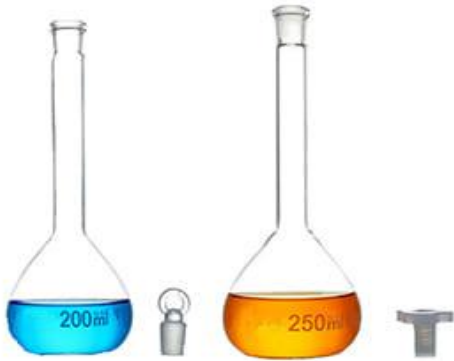
Styles of the volumetric flasks



Parameter Range

| Description | Capacity (ml) | O. dia. (mm) | Height (mm) | Tolerance (ml) | Common Capacity (mm) |
|---|---------------|--------------|-------------|----------------|----------------------|
| Clear Volumetric Flask with Glass Stopper | 5-2000 | 22-158 | 75-380 | 0.01-0.6 | 100ml, 250ml |
| Clear Volumetric Flask with Plastic Stopper | 5-2000 | 22-158 | 75-380 | 0.01-0.6 | 100ml, 250ml |
| Amber Volumetric Flask with Glass Stopper | 5-2000 | 22-158 | 75-380 | 0.01-0.6 | 100ml, 250ml |
| Amber Volumetric Flask with Plastic Stopper | 5-2000 | 22-158 | 75-380 | 0.01-0.6 | 100ml, 250ml |

Details Displaying

| | |
|---|--|
|  |  |
| <p>Ground Mouth, Good Sealing</p> | <p>Clearly Marked and Durable</p> |
|  |  |
| <p>Wide Bottom, Stable Placement</p> | <p>Two Types of Cap, Any Combination</p> |

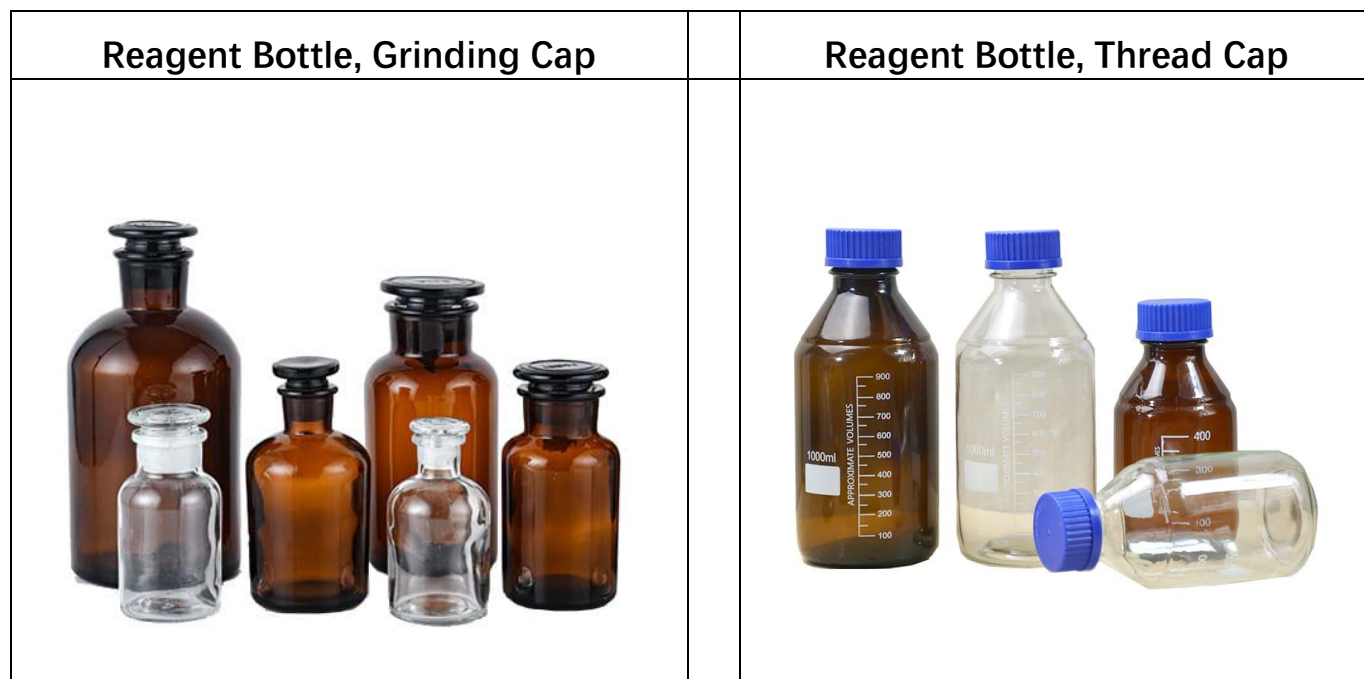
Reagent Bottles

Reagent Bottles, essential components of any laboratory, serve as secure storage vessels for stock solutions of various chemicals. Crafted predominantly from glass, these bottles feature ground glass stoppers, ensuring a tight seal that prevents contamination and evaporation, thus preserving the purity of the substances inside.

In order to maintain the integrity of each chemical, it's good practice to dedicate one bottle exclusively to a single reagent. For instance, the bottle storing ammonium hydroxide should be used for this chemical alone. This prevents any cross-contamination that could potentially impact the accuracy and safety of experiments.

Whether you're storing a strong base like ammonium hydroxide or a different reagent, these bottles are vital to maintain an orderly, safe, and efficient laboratory. With Reagent Bottles, ensure your chemical solutions are preserved and protected, ready for use whenever your next scientific exploration calls.

Styles of the Reagent Bottles



Parameter Range

| Description | Capacity (ml) | O. dia. (mm) | Height (mm) | Common Capacity (mm) |
|--|---------------|--------------|-------------|----------------------|
| Reagent Bottle with Ground Glass Stopper | 30-1000 | 38.8-103 | 69-290 | 30ml, 60ml, 125ml |
| Reagent Bottle with Thread Cap | 100-10000 | 56-227 | 103-336 | 100ml, 250ml, 1000ml |
| GL45 Medial Bottle | 100-20000 | 56-288 | 100-505 | 100ml, 250ml, 500ml |
| GL80 Wide Mouth Media Bottle | 250-1000 | 95-100 | 110-220 | 1000ml |

Details Displaying

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|---|--|
|  |  |
| <p>Grinding Stopper, Well Sealed</p> | <p>Dot Round Bottom, non-slip</p> |
|  |  |
| <p>Blue Pouring Ring, Polypropylene</p> | <p>GL45 Blue Screw Cap, Polypropylene</p> |





Funnel

A funnel, whether crafted from glass or plastic, is a vital tool in a laboratory, facilitating the safe transfer of chemicals from one container to another. Thanks to its conical design, it guides substances smoothly, minimizing spillages and potential waste.

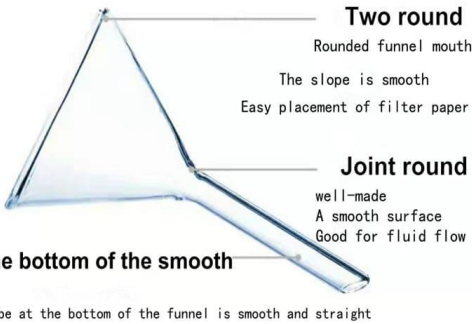



Some funnels even act as filters; their unique design or the use of filter paper or a sieve aid in separating mixtures. Given the diverse laboratory needs, there are several types of funnels available.

Whether your task is to simply transfer liquids or to separate components of a mixture, the humble yet invaluable funnel serves as a trustworthy assistant. With its distinctive shape and multiple types, a funnel is a fundamental component of laboratory workflows.

Styles of the Volumetric flasks

| Filtering Funnel, Conical, 60° Angle | Dropping Funnels, Pear Shape |
|---|--|
|  |  |
| Ball Separatory Funnel | Powder Funnel |
|  |  |

Details Displaying

| | |
|--|--|
|  <p>Two round Rounded funnel mouth The slope is smooth Easy placement of filter paper</p> <p>Joint round well-made A smooth surface Good for fluid flow</p> <p>At the bottom of the smooth The tube at the bottom of the funnel is smooth and straight</p> |  |
| <p>Transparent glass material</p> | <p>Transparent Glass, Easy Observation</p> |
|  |  |
| <p>Evenly Frosted and Well Sealed</p> | <p>Glass/PTFE Stopcock, Easy to Control Flow Speed</p> |

Parameter Range

| Description | Capacity (ml) | O. dia. (mm) | Height (mm) | Common Size |
|------------------------------|---------------|--------------|-------------|---------------------|
| Glass Funnel | / | 40-150 | 72-275 | Φ60mm, Φ75mm, Φ90mm |
| Powder Funnel | / | 60/14-150/24 | / | Φ90mm/24 |
| Pear Separation Funnel | 60-2000 | 50-153 | 205-520 | 125ml, 250ml |
| Ball Shape Separatory Funnel | 30-2000 | 19-29 | 42-160 | 125ml, 250ml |

Lab Dishes



Lab dishes, a symphony of glassware, harmonize to create the scientific concerto of a laboratory. With each piece tailored for a specific role, they are crafted from resilient borosilicate glass, marrying durability with precision.




Petri Dishes, the stage for microscopic performances, allows air and light to dance around cultures, maintaining a delicate balance to prevent contamination.

Crystallizing Dishes, wide and shallow, usher in a ballet of solute particles, crystallizing dreams out of supersaturated solutions.

Evaporating Dishes play a disappearing act, transforming solutions into solids under the spotlight of heat, while Watch Glasses, the vigilant observers, serve as lids or shallow dishes, holding solids or evaporating small amounts of liquid.

These dishes, diverse and versatile, interweave in a laboratory, setting the rhythm of scientific explorations. Each piece, a testament to the craftsmanship of borosilicate glass, encapsulates the poetry of scientific endeavor.

Styles of the lab dishes

| Petri Dish | Crystallizing dish |
|---|--|
|  |  |
| Evaporating dish | Watch glass |
|  |  |

Parameter Range

| Description | Dia. (mm) | Height (mm) | Common Size (mm) |
|--------------------|--------------|----------------|---------------------|
| Petri Dish | 40-200 | 18-33 | Φ60; Φ75; Φ90. |
| Crystallizing Dish | 40-230 | 18-116 | Φ40; Φ60 |
| Evaporating Dish | 60-150 | 30-75 | Φ60; Φ90 |
| Watch Glass | 45-180 | / | Φ90; Φ120. |

Test Tube




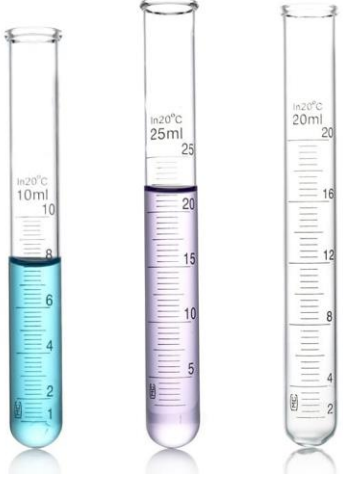
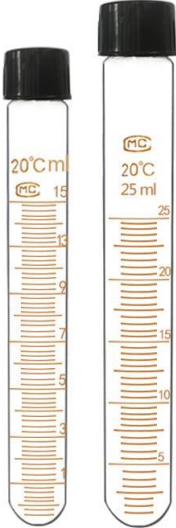

A test tube, the quintessential symbol of scientific inquiry, is a cylindrical vessel of resilience. Typically shaped with a round bottom, these tubes are masterfully crafted from borosilicate glass, a material renowned for withstanding temperature fluctuations and resisting chemical reactions.

Test tubes come in various sizes, with the standard laboratory size being modest yet versatile at 18x150mm. In certain contexts, they earn the name 'culture tubes,' when devoid of a lip, furthering their versatility in the laboratory setting.

Although not tailored for precise volume measurements, test tubes shine in their role as collectors and custodians of small samples. Their affordability compared to other glassware pieces does not compromise their utility. Even under the dancing flame of a Bunsen burner, the borosilicate glass variants stand unwavering.

The humble test tube, with its graceful form and steadfast constitution, continues to be a reliable companion in the grand pursuit of knowledge.

Styles of the test tubes

| Test tube | Measuring test tube |
|---|--|
|  |  |
| Test tube with screw cap | Test tube with glass stopper |
|  |  |

Parameter Range

| Description | Capacity (ml) | O. dia. (mm) | Length (mm) | Common Size (mm) |
|--------------------------|------------------|-----------------|----------------|--|
| Test tube | / | 10-30 | 75-200 | Φ10*L.75; Φ15*L.100; Φ25*L.200. |
| Measuring test tube | 5-100 | 12-30 | 10-200 | 5ml: Φ12*L.10; 25ml: Φ20*L.150; |
| Test tube with screw cap | / | 12-20 | 107-150 | Φ12*L.107; Φ15*L.150; Φ25*L.180. |
| Test tube with stopper | 5-100 | 12-30 | 125-224 | Φ12*L.125; Φ20*L.188; |

As we conclude our tour of the "Laboratory Glassware Gallery," the vital role of these precision-crafted instruments becomes unequivocally clear. Each piece, from beakers to test tubes, encapsulates the essence of scientific exploration, echoing tales of discoveries unseen and inventions yet to come. WINSON, a trusted provider of quality laboratory glassware, remains steadfast in its commitment to fostering scientific advancement. Through crafting durable, reliable borosilicate glassware, WINSON equips laboratories worldwide, fueling the ceaseless pursuit of knowledge. Step into the future with WINSON, where every piece of glassware is a promise of precision and quality, a window to discovery.

WINSON GLASS

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