

Common Laboratory Glassware

VT WSMD Wastewater Program Lab Manual Section #3

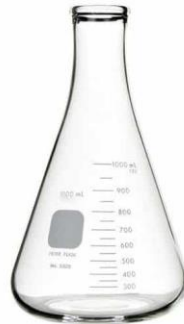
Common Laboratory Glassware

BURETS. Burets are used to deliver accurate volumes. They are especially useful in a procedure called titration.

FLASKS. Flasks are used for containing and mixing chemicals. There are



Support, Burette and Burette Clamp



Erlenmeyer Flask



Flat Bottom Flask



Burette



Boiling Round Bottom Flask



Filtering Flask



Automatic Burette



Volumetric Flask



Kjeldahl Flask



Distilling Flask

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BOTTLES. Bottles are used to store chemicals, to collect samples for testing purposes, and to dispense liquids.



**Reagent
Bottle**



**BOD
Bottles**

Separatory funnels are used to separate one chemical mixture from another. The separated chemical usually is dissolved in one of two layers of liquid.



**Separatory
Funnel**

FUNNELS. A funnel is used for pouring solutions or transferring solid chemicals. This funnel also can be used with filter paper to remove solids from a solution.



Funnels

TUBES. Test tubes are used for mixing small quantities of chemicals. They are also used as containers for bacterial testing (culture tubes).



Test Tube



Culture Tube

Without Lip

A Buchner funnel is used to separate solids from a mixture. It is used with a filter flask and a vacuum.



Buchner Funnel



Wash Bottles

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IMHOFF CONE. The Imhoff cone is used for the settleable solids testing of wastewater.



BEAKERS. Beakers are common pieces of laboratory equipment. They come in sizes from 1 ml to 4000 ml. They are used mainly for mixing chemicals and to measure approximate volumes.



GRADUATED CYLINDERS. Graduated cylinders also are basic to any laboratory and come in sizes from 5 ml to 4000 ml. They are used to measure volumes more accurately than beakers.



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OTHER LABWARE AND EQUIPMENT



Desiccator



Condenser



Dial Thermometer



NIST Traceable Lab Thermometer



Petri Dish



Volumetric Pipettes



Adjustable Volumetric Pipette

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OTHER LABWARE AND EQUIPMENT (continued...)



Volumetric Flask



Serological Pipettes