

AlKarkh University of Science
College of science
Department of Microbiology
First year level
General chemistry Labs

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Lab -2-

General Chemistry Equipment's

Analytical balance: an instrument for determining weight.



Beaker: used to hold liquids, multipurpose and essential in the lab.



Bunsen burner: used to heat substances.



Burette: dispensing and transferring known volumes of fluids.



Clay triangle: used to hold a crucible while the crucible is heated.



Crucible and cover: used to hold small amounts of chemicals during heating at high temperatures.



Crucible tongs: to hold hot crucibles.



Dropper: Use to add drops of liquid.



Erlenmeyer flask or conical flask: used to hold liquids, has narrow neck to prevent splashes.



Evaporating dish: liquids are heated over a flame so that they evaporate, leaving a solid residue.



Filter paper: special paper used to separate solids from liquids.



Forceps: used to pick up or hold small items.



Fume hood: used to prevent a person from exposure to hazardous fumes from chemicals.



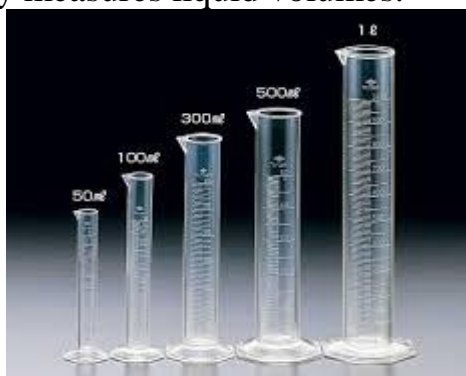
Funnel: for pouring liquid or other substance through a small opening.



Goggles: protects eyes from chemical splashes.



Graduated cylinder: accurately measures liquid volumes.



Hot plate: used to heat and stir substances.



Mortar and pestle: used to grind up materials.



Pipet bulb: used to pull liquid up into a pipet.



Ring clamp: used with ring stand to hold a glass container.



Ring stand: holds funnels, wire gauze above table.



Rubber stopper: used to cover ends of test tubes and flasks.



Spatula: small scoop used to transfer powder and crystal chemicals.



Spot plate: a flat plate with multiple "wells" used as small test tubes.



Stirring rod: used for stirring.



Test tube: open tube used to hold liquids.



Test tube clamp: clamp used to hold test-tube and other items.



Test tube rack: holds many test tubes in a row.



Thermometer: measures temperature (science uses degrees in Celsius).



Utility clamp: used to hold laboratory glassware.



Volumetric flask: for making up solutions to a known volume.



Volumetric pipet: measures small amounts of liquids accurately.



Wash bottle: used to rinse various pieces of laboratory glassware.



Watch glass: to hold solids while being weighed, or as a cover for a beaker.



Weighing paper: used for weighing and transferring powders and crystals.



Wire gauze: used to support a container (such as a beaker or flask) during heating.

