

Equipments in laboratories

- o **Autoclave:**
- o It is a wet air type sterilizer. Used to sterilize culture media.
- o **Incubator:**
- o Provide suitable temperature for the growth of organism
- o **Hot plate:**
- o In laboratory, hot plate used to heat glassware or its contents.



autoclave



incubator



Hot plate

o **Vortex mixture:**

o A vortex mixer is a simple device used commonly in laboratories to mix small vials of liquid

o **Weighing scale:**

o Weighing scale is device to measure weight or calculate mass.

o **Water Purification System:**

o This system is designed to produce pure and ultrapure water, which are cell and tissue culture processes using water are contamination and chemical free.



Vortex mixture



Weighing scales



Water Purification System

Laboratory Shaker:

is a piece of laboratory equipment used to mix, or to agitate substances in flasks by shaking. In order to incorporate oxygen and nutrients throughout the culture media.

Colony counter:

Instrument is used for counting of bacterial colonies growing on agar in
petri dishes.



o Light Microscope:

Light Microscope is an instrument containing two lenses, which magnifies the picture. Because it uses more than one lens, it is sometimes called the compound microscope.



Hot Air Oven:

It is a dry air type sterilizer. It is for sterilizing laboratory glass ware. It operates at a temperature of 160 to 180 °C for one and a half hour.

