

AIM OF THE EXPERIMENT

To study the various parts of simple or dissecting microscope and compound microscope.

DISSECTING OR SIMPLE MICROSCOPE

Simple microscope or dissecting microscope consists of two parts. Such as:- i) Optical parts

ii) Mechanical parts

i) Optical parts:

It consists of a) Plano concave mirror

b) Lens

a) Plano concave mirror:

The plano concave mirror focuses the light on the object which is placed on a slide over the stage. The slide is held by 2 clips on both sides. The mirror is an adjustable mirror & is placed in the middle of the foot.

b) Lens:-

It magnifies the objects placed on the stage.

ii) Mechanical parts:

It consists of

a) Foot:- It is a metallic rounded structure and the lowest base portion of the dissecting microscope.

b) Pillar:- It arises from the foot.

c) Stage:- It is made up of glass for passage of light.

d) Adjustment Screw:- By rotation of the screw the distance of lens & object can be adjusted for proper visibility.