

Experiment

DISSECTING MICROSCOPE :

Dissecting microscope is used to magnify small animals or to see large sections, or to perform dissections of small animals. It consists of (i) foot (ii) stand (iii) vertical limb (iv) folded arm (v) simple convex lens (vi) glass stage (vii) reflecting mirror (viii) clips and (ix) adjustment screw. The folded arm has lens through which upturned image of the object is seen.

To see any object, clean and dry the stage. Place the object on the stage of microscope. Place the eye close to one side of the lens and adjust the mirror. Turn the focussing screw up and down as the need be to get a sharp and distinct image of the object.

USE OF THE MICROSCOPE :-

1. Place the microscope in maximum diffuse light. Direct sunlight is harmful for the eyes. The northern light is most suitable. If light source is artificial, filter (preferably blue coloured) is used.
2. Adjust the light by turning the mirror towards the source of light and also by moving the condenser.