

Ex.No:5. Procedure for making temporary slide to permanent

Protocol:

1. The exact placement of the cover slip over the glass slide is carefully marked with the help of a diamond headed knife.

2. The temporarily waxed slide are warmed to remove the wax with help of a needle • Invert the slide in a mixture of 3:1 glacial acetic acid: Butyl alcohol until the cover slip fallen away • The cover slip and slide are washed gently in the following order for one or two minutes- 1:1 of glacial acetic acid and normal butyl alcohol, 3: 1 of butyl alcohol and % glacial acetic acid. Pure normal butyl alcohol

- Place a drop of Canada balsam on the slide where the cover slip was previously lying.

- Gently replace the cover slip with the slide in such a manner that the original position under the surface of cover slip not changed.

- Keeps the slide under ordinary room temperature or in a warm place maintaining 35° – 36° until the balsam is completely dried. Remove the excess Canada balsam on the side of the slide with xylol. • Carefully inscribe the particulars of the slide with the help of diamond pencil label and preserve the slide in slide box.

Cleaning the slides and cover slips: The materials required for cleaning are potassium dichromate (28g), distilled water (250ml) and conc. Sulphuric acid (28 g or 15-22 ml).

Potassium dichromate is dissolved in water in a trough and kept it in another trough containing water.

Add the acid in small quantities and the mixture is cooled for every addition of acid.

The mixture is stored in glass containers.

Use the mixture until the colour of solution becomes black.

The slides kept in the mixture for 5-8 hours and then they are washed and rinsed in distilled water.