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.