



Fite Stain Kit, Leprosy

Solutions Provided:

#SSC1036-250 - **Acid Alcohol, 1%**

#SSC1055-ZN-250 - **Carbol Fuchsin, Ziehl-Neelsen**

#SSC1136-250 - **Xylene-Peanut Oil Solution**

#SSC1096-250 - **Methylene Blue Stock Solution**

Working solution preparation (*stable for one month*):

Methylene Blue Working Solution

Methylene Blue Stock Solution: 5mL

Distilled Water: 45mL

Conventional Procedure

1. Deparaffinize sections in two changes of **Xylene-Peanut Oil Solution** at **12 minutes each**.
2. Drain section and lightly wipe off any excess oil. Blot sections, leaving a slight amount of residual oil, which will help to prevent shrinkage of the sections.
3. Stain sections in **Carbol Fuchsin, Ziehl-Neelsen** for **20-30 minutes**.
4. Decolorize slides in **Acid Alcohol, 1%** one at a time until the sections are faint pink.
5. Thoroughly wash sections in running tap water.
6. Counterstain lightly in **Methylene Blue Working Solution** by dipping slides one at a time until desired intensity is reached. Sections should be stained pale blue. Be sure to not overstain.
7. Wash sections in running tap water.
8. Blot sections dry and let stand 5-10 minutes to finish air-drying.
9. Mount sections with synthetic resin. Do not use alcohol and xylene.

Results:

Acid Fast Bacteria: Bright Red

Background: Light Blue