



Fite Stain Kit, Nocardia

Solutions Provided:

- #SSC1038-250 - **Acid Water, 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 **10 minutes** (no longer).
4. Decolorize slides in **Acid Water, 1%** for **5-10 minutes** and agitate frequently to remove any background color.
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. Do 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