



Acid Fast Bacteria (AFB) Stain Kit, Ziehl-Neelsen

Solutions Provided:

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

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

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

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain sections in **Carbol Fuchsin, Ziehl-Neelsen** for **30 minutes**.
3. Thoroughly wash sections in running tap water.
4. Differentiate in 2 changes of **Acid Alcohol, 1%** until tissue section becomes pale pink.
5. Thoroughly wash sections in running tap water, then rinse in distilled water.
6. Counterstain in **Methylene Blue Stock Solution** by dipping slides one at a time until desired intensity is reached. Sections should be stained pale blue.
Note: Be cautious not to over stain with this solution.
7. Thoroughly wash sections in running tap water, then rinse in distilled water.
8. Dehydrate slides in two changes each of 95% Alcohol and 100% Alcohol.
9. Clear and mount with appropriate mounting medium.

Results:

Acid Fast Bacteria: Bright Red
Background: Light Blue