

**A-103     ZIEHL-NEELSEN METHOD FOR ACID  
FAST BACTERIA  
USING MICROWAVE OVEN**

**FIXATION:** Any well-fixed tissue

**TECHNIQUE.:** Cut **paraffin** at 6 microns

**STAINING PROCEDURE:** Use control slide

1. Deparaffinize and hydrate to distilled water.
2. Place slides in a PLASTIC Coplin jar half-filled with **Ziehl Neelsen Carbol Fuchsin Solution** (A-103-1). Cover loosely and microwave for 20 seconds.
3. Rinse in tap water.
4. Dip in **Acid Alcohol, 1%** (A-103-3); then rinse in tap water. Repeat this step until excess stain is removed and sections are pale pink.
5. Place slides in **Methylene Blue Working Solution** (A-103-2A) for 30 seconds.

*To prepare working solution, mix:*

|  |       |
|--|-------|
| <b>Methylene Blue Stock</b> (A-100-2). | 10 ml |
| Distilled water.                       | 90 ml |

6. Rinse in tap water.
7. Dehydrate in graded alcohols, clear and mount.

**RESULTS:**

|                   |            |
|-------------------|------------|
| Acid Fast Bacilli | bright red |
| Background        | blue       |

**REFERENCES:**

Statpath: Microwave Oven Techniques in Pathology, p.37, c 1987.

