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:
Methylene Blue Stock (A-100-2). 10 ml
Distilled water. 90 ml

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

RESULTS:

<table>
<thead>
<tr>
<th>Acid Fast Bacilli</th>
<th>bright red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Background</td>
<td>blue</td>
</tr>
</tbody>
</table>

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