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**A-101      KINYOUN'S METHOD FOR ACID FAST  
BACTERIA**

**FIXATION:** 10% Buffered Neutral Formalin (F-113).

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

**STAINING PROCEDURE:** Use control slide.

1. Deparaffinize and hydrate to distilled water.
2. **Kinyoun's Carbol Fuchsin Solution** (A-101-1), at 56°C for 1 hour.
3. Wash well in running water.
4. Differentiate in two changes of **Acid Alcohol, 1%** (A-101-3), until tissue is pale pink.
5. Wash in running water.
6. Counterstain in working **Methylene Blue Working Solution** (A-101-2A), for two seconds.

*To prepare working solution, mix:*

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

7. Dehydrate in 95% Alcohol.
8. Clear in two changes of **Xylene** (C-120).
9. Mount with Permount (M-18).

**RESULTS:**

|                    |            |
|--------------------|------------|
| Acid Fast Bacteria | bright red |
| Background         | light blue |

**REFERENCES:**

AFIP Manual of Histological Staining Methods, 3<sup>rd</sup> ed., Ed. L. Luna: New York: McGraw Hill Publications, c. 1968, p. 217.