

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

SECTION: Paraffin and frozen sections, air dried smears, touch preps.

PROCEDURE:

1. Deparaffinize sections in 2 changes of Xylene (C-120) and absolute alcohol. Air dry slides.
2. Filter 40 ml Kinyoun's Carbol Fuchsin Solution (A-101-1), into a plastic Coplin jar. Place slides in the jar; cover with a loose screw cap. Heat in the microwave for 50 seconds.
3. Remove the Coplin jar from the oven; rinse slides individually in 50% Alcohol. Differentiate in Acid Alcohol, 1% (A-101-3), until sections are faint pink. Dip a few times. Rinse in 50% alcohol, then in distilled water.
4. Counterstain lightly with Methylene Blue Working Solution (A-101-2A), for two seconds.

To prepare working solution, mix:

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

5. Dehydrate clear in Xylene (C-120).
6. Mount with **Permunt** (M-18).

Note: All the alcohol dilutions used in this method should be prepared with absolute 100% alcohol.

RESULTS:

Acid Fast Bacteria	Red
Other tissue elements	Blue
Other types of bacteria	Blue

REFERENCES:

Valle, Sylvia; Journal of Histology, vol. 9, No. 4, December 1986

