

A-132 MICROWAVE MODIFIED GIEMSA SOLUTION

Sections: Cut tissues at 5 microns, 8 microns for brain tissue.

Procedure:

1. Deparaffinize and hydrate to distilled water.
2. Place slides in 40 ml of **Giemsa Working Solution*** in a plastic Coplin jar with a loose screw top. Place in microwave oven for 50 seconds.
*Working **Giemsa Solution** may be made from the stock solution by mixing:

<u>Giemsa Stock Solution</u> (A-132-1)	25 drops
Distilled Water	40 ml
3. Remove jar from oven; let slides stand in the hot solution for 2 more minutes. Discard the solution.
4. Differentiate in **Rosin Alcohol Working Solution** (A-132-2A), two or three dips, until the sections assume a purplish-pink color. Check under the microscope.
5. Dehydrate in **Absolute Alcohol**; clear in **Xylene**; two changes each; mount with **Permount**, (M-18).

Stain Results:

Nuclei	Blue
Cytoplasm	Pink to Rose
Bacteria	Blue

References:

Valle, Sylvia, Journal of Histotechnology, Vol. 9, No. 4, Dec. 1986