

## **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:  

<b><u>Giemsa Stock Solution</u></b> (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