

This procedure is available in kit form from:  
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cat# cy019

**GIEMSA STAIN FOR HEMATOLOGIC MATERIAL & AIR DRIED SMEARS**

**SOLUTIONS:**

1. Giemsa Stock Solution  
Working Giemsa Solution:  
Stock Giemsa ..... 5 ml  
Distilled Water.....65 ml
2. Acetic Acid 1% Aqueous

**STAINING PROCEDURE:**

Note: Start with step 1 for paraffin sections and step 3 for smears.

1. Deparaffinize in two changes of Xylene for 5 minutes each.
2. Hydrate through Absolute Ethyl Alcohol, 95%, 80% and 70% Ethyl Alcohols for two changes each, 15 dips each.
3. Wash in distilled water – 15 dips.
4. Place in Working Giemsa Solution for 2 hours.
5. One quick dip in Acetic Acid 1% Aqueous.
6. Blot slide with bibulous paper.
7. Place in Absolute Ethyl Alcohol until there is only a slight bluish tint to the alcohol that runs off the slide.
8. Clear in Xylene, two changes, 10 dips each.
9. Mount with Poly Mount (cat# s2153) or any other acceptable mounting medium.

**RESULTS:**

Nuclei.....Blue  
Cytoplasm.....Pink to Rose  
Bacteria.....Blue