

This procedure is available in kit form from:
Poly Scientific R&D Corp.
70 Cleveland Avenue • Bay Shore, NY 11706
(631) 586-0400

cat# cy014

WRIGHT-GIEMSA STAIN FOR HEMATOLOGIC MATERIAL

SOLUTIONS:

1. Wright Stain 0.5% Alcoholic
2. Giemsa Stock Solution
3. Wright-Giemsa Buffer pH 6.8

STAINING PROCEDURE:

1. Remove slide from Methyl Alcohol and drain excess alcohol.
2. Place slide horizontally on rack or flat surface.
3. Flood slide with Wright Stain 0.5% Alcoholic for 3 minutes.
4. Flood slide with Wright-Giemsa Buffer pH 6.8 for 4 minutes. Mix the stain and the buffer by blowing gently on the slide. A metallic sheen appears.
5. Rinse slide well with tap water and drain off excess water.
6. Mix one drop of Giemsa Stock Solution with 1 ml of Wright Giemsa Buffer pH 6.8. This must be fresh and made daily. Flood slide with this mixture for 20 minutes.
7. Rinse well with tap water.
8. Dehydrate smear with 10 dips in each of two 95% Alcohols, one Absolute Alcohol and two Xylenes.
9. Mount with Poly Mount (cat# s2153) or any other acceptable mounting medium.

RESULTS:

Erythrocytes	Pink
Nuclei.....	Deep Blue to Violet Blue
Cytoplasm of lymphocytes and mast cells	Dark Blue
Eosinophil granules	Red Orange
Basophil granules.....	Dark Purple
Neutrophil granules.....	Pink
Mast cell granules	Violet to reddish purple
Bacteria	Blue
Platelets	Purple