

**B-173 3-AMINO-9-ETHYLCARBAZOLE METHOD FOR  
LEUKOCYTE PEROXIDASE**

**Fixation:** **FORMALIN-ACETONE FIXATIVE**, (B-173-1)

**PROCEDURE:**

1. Fix thin blood films in **Formalin Acetone Fixative**, (B-173-1) for 15 seconds.
2. Rinse gently in distilled water.
3. Stain in **3-Amino-9-Ethylcarbazole** (B-173-2) staining solution for 2 ½ minutes.
4. Wash in running tap water.
5. Stain in **Mayer's Hematoxylin** (B-173-3) for 8 minutes.
6. Wash in tap water, air dry, and mount in **Glycerin Jelly** (M-12).

**Stain Results:**

Sites of peroxidase activity	Red-Brown granules
Nuclei	Blue

**References:**

Williams, W. J., Beutler, E., Erslev, A.J. and Rundles, R.W. Hematology, 2<sup>nd</sup> ed.  
McGraw-Hill, NY, c 1977, pp1627-1628.