

B-153 GIEMSA THIN FILM STAIN

Fixation: Streak a drop of blood, leukocytes, rickettsiae culture, pus or other exudate over a sterile glass slide by means of another slide or cover glass. Fix films in Methyl Alcohol for 2-3 minutes.

Staining:

1. Place in Ethyl or Methyl Alcohol for 5-7 minutes. Air dry.
2. Stain in the **Geimsa Thin Film Staining Solution** (B-153-1). * Because different cells accept the stain at varying rates, prepare 3-4 sample slides and stain from 15-20 minutes. Some membranous structures (TRYPANOSOMES) may require 1-2 hour periods.

*To prepare Geimsa Thin Film Staining Solution from **Geimsa Stock Solution** (B-153-3), mix before use.

Geimsa Stock Solution (B-153-3) 1 ml

Phosphate Buffer (B-153-2) 50 ml

3. Wash in distilled water and air dry.

Stain Results:

Reddish Purple	Nuclei, additional leukocyte features are similar to Wright Stain results.
Blue	Plasmodic cytoplasm
Red	Chromatin

References:

Clark, G., Staining Procedures, Williams and Wilkins Co., Baltimore, 3rd., c.1973, p. 125.