B-154  GIEMSA THICK FILM STAIN

**FIXATION:** None. Films are prepared by spreading 3-5 drops of blood on a scrupulously clean slide to form a circle of about 15 mm diameter: the films are air dried by keeping in a horizontal position for 18-24 hours at room temperature, protected from dust and insects.

**STAINING:**

1. Stain 40-120 minutes in *Giemsa Thick Film Staining Solution* (B-154-1).*

   *To prepare Giemsa Thick Film staining solution from *Giemsa Stock Solution* (B-154-3), mix before use:

   | **Giemsa Stock Solution** (B-154-3) | 1 ml |
   | **Phosphate Buffer** (B-154-2)       | 2 ml |
   | Distilled water                      | 47 ml |

2. Wash 5-10 minutes in distilled water or *Phosphate Buffer* (B-154-2).

3. Dry in the air and examine.

**STAINING RESULTS:**

- Malarial Parasites: Clear red chromatin
- Cytoplasm: Clear blue
- Red Corpuscles: Not seen due to lacking of hemoglobin during drying

**REFERENCES:**

