

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:

<u>Giemsa Stock Solution</u> (B-154-3)	1 ml
<u>Phosphate Buffer</u> (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:

Clark, G. Staining Procedures, Williams and Wilkins Company, Baltimore, 3rd ed., C 1973, p 126

Lillie, R. D. Histologic Technic and Practical Histochemistry, 3rd ed., McGraw-Hill, New York, 1965

Barber, M.A.. and Komp, H.W., Pub.Health Rep., 44:2330-41, 1929