

## **B-157     LEISHMAN'S STAIN**

**Fixation:** Thin smears prepared by streaking a drop of blood over a scrupulously clean slide using a second slide or a cover glass. Fix films immediately in Methyl Alcohol for 2-3 minutes. Smears must be well dried.

**Staining:**

1. Air dries the methyl alcohol-treated blood films.
2. Place 2 ml of the **Leishman's Working Stain**. \* upon the smear for 6-8 minutes.  
\*To prepare working stain, mix just before use:

**Leishman's Stain (B-157-1)**.....1 ml

**Leishman's Buffer Working pH 6.8 (B-157-2)**...1 ml

*This can be performed/mixed on the slide, either by tilting, gently blowing or carefully with a disposable pipette*

3. Wash in distilled water and air-dry.

**Results:**

Similar in general to Giemsa stain.

Superior to Wright Stain in regard to sharpness of nuclear and parasite staining.

**References:**

Lillie, R.D., Histopathologic Technic and Practical Histochemistry, 3<sup>rd</sup> Edit, McGraw-Hill, NY, 1965.

Clark, G. (ed), Staining Procedures, 3<sup>rd</sup>. edit., Williams & Wilkins Co., Baltimore, c 1973, p 123.