

## **B-150     WRIGHT STAIN METHOD**

**FIXATION:** Streak thin (approx. one cell thick) smears across a sterile slide by means of a second slide or coverglass. Air-dry quickly

### **STAINING:**

1. Place 1.0 ml of the **Wright Stain** (B-150-1) upon the smear, 1-3 minutes.
2. Add 2.0 ml distilled water or **Phosphate Buffer pH 6.5** (B-150-2) and let stand twice as long as in step 1.
- 3 Rinse stained smear with water or the **Phosphate Buffer pH 6.5** (B-150-2) until the edges show faintly pinkish red.

For a Giemsa appearance stain 10 minutes in one volume **Wright Stain** and 4 volumes **Phosphate Buffer, pH 6.5.**

- 4 Blot-dry very carefully  
Stain may be adjusted by further dilution or in the timing of either before or after dilution in the above procedure

### **RESULTS:**

<b>Erthrocytes</b>	yellowish-red
<b>Polymorphonuclears:</b>	
Nucleus	dark purple
Granules	reddish-lilac
Cytoplasm	pale-pink
<b>Eosinophiles:</b>	
Nuclei	blue
Granules	red to orange-red
Cytoplasm	blue
<b>Basophiles:</b>	
Nucleus	purple to dark blue
Granules	very dark purple
<b>Lymphocytes:</b>	
Nuclei	dark purple
Cytoplasm	sky blue
<b>Platelets</b>	violet to purple granules

### **REFERENCES**

- Conn, J I , Biological Stains, 8th ed., Williams and Wilkins Co., Baltimore, 1969  
Clark, G, (ed.) Staining Procedures, Williams and Wilkins Co... Baltimore, 3rd Ed., c 1972, p. 122.