Wright-Giemsa Staining Kit
(Cat# K1438-30, -500; Store at RT)

I. Introduction:
Wright-Giemsa Staining Kit is intended to be used for differential staining of blood smears, bone marrow and blood parasites.  
Erythrocytes: Pink-Tan  
Leukocytes: Blue-Purple  
Neutrophils: Light Purple or Lavender granules in cytoplasm.  
Eosinophils: Bright Red or Red-Orange granules in cytoplasm.  
Basophils: Deep Purple or Violet-Black granules in cytoplasm.  
Platelets: Violet-Purple granules in light blue cytoplasm.

II. Application:
• Hematology applications  
• For in vitro diagnostic use

III. Sample Type:
• Blood smear on clean slide.

IV. Kit Contents:

<table>
<thead>
<tr>
<th>Components</th>
<th>K1438-30</th>
<th>K1438-500</th>
<th>Part Number</th>
<th>Storage Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wright-Giemsa Solution</td>
<td>30 ml</td>
<td>500 ml</td>
<td>K1438-XX-1</td>
<td>RT</td>
</tr>
<tr>
<td>Phosphate Buffer Solution (pH 6.8)</td>
<td>60 ml (x2)</td>
<td>500 ml (x2)</td>
<td>K1438-XX-2</td>
<td>RT</td>
</tr>
</tbody>
</table>

Required but not included:

<table>
<thead>
<tr>
<th>Components</th>
<th>Volume</th>
<th>Storage Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol, Absolute</td>
<td>500 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Water, Deionized/Distilled</td>
<td>1 Gallon</td>
<td>RT</td>
</tr>
</tbody>
</table>

V. User Supplied Reagents and Equipment:
• Deionized/Distilled water  
• Coplin jars  
• Forceps  
• Staining tray  
• Methanol, Absolute  
• Synthetic resin  
• PBS, pH 6.8

VI. Shipment and Storage:
All the reagents are shipped and stored at room temperature.

VII. Reagent Preparation:
• Do not use past expiration date.  
• Use caution when handling reagents.  
• Prepare Working Wright-Giemsa Solution by mixing 25ml of Wright-Giemsa Solution with 25ml of Phosphate Buffer Solution, pH 6.8

VIII. Procedure (Standard):
1. Smear a small drop of blood on a clean microscope slide and allow to air dry.  
2. Fix by placing in absolute Methanol for 5 minutes.  
3. Place slide in staining tray & flood with Working Wright-Giemsa Sol for 5 min. Note: Agitate slide occasionally to insure proper staining.  
4. Rinse slide in deionized/distilled water.  
5. Flood slide with Phosphate Buffer Solution, pH 6.8 until no stain runs off.  
6. Allow slide to remain in Phosphate Buffer Solution, pH 6.8 for an additional 1 minute.  
7. Dip slide in distilled water and air dry at room temperature.  
8. Dip slide several times in Xylene or Xylene Substitute.  

IX. Data:

Wright-Giemsa Staining Kit

FOR RESEARCH USE ONLY! Not to be used on humans.