**Differential Quik Stain Kit (Modified Giemsa)**

Polysciences, Inc. Differential Quik Stain Kit is a high quality, rapid turnaround time staining kit that serves many purposes in the cost conscious laboratory environment. The Differential Quik Stain Kit may be used for fine needle aspirations, cytology, blood smears, bone marrow biopsies as well as bone marrow smears, touch preps, various microorganisms, as well as detecting the *H. Pylori* microorganism. The kit contains a fixative for air-dried cell suspensions and/or touch preparation slides.

**APPLICATIONS**
- Fine Needle Aspirations
- Frozen Sections
- Blood Smears
- Cytological Specimens
- Cytopreps
- Bone Marrow Biopsies
- Touch Preps
- Microorganisms

**KIT CONTENTS**
- Solution A - Fixative
- Solution B - Blue
- Solution C - Red

**PROCEDURE**
1. **Solution A - Fixative** Fix frozen sections, touch preps, bone marrow biopsies and blood smears for 10 seconds in Solution A
2. **Solution C - (Red)** Dip 5 times in Solution C
3. **Solution B - (Blue)** Dip 5 times in Solution B
4. Rinse in distilled water
5. Quickly dehydrate in 100% EtOH, then xylene and mount with a synthetic resin.

**RESULTS**

<table>
<thead>
<tr>
<th>Structure</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erythrocytes</td>
<td>Pink/yellowish red</td>
</tr>
<tr>
<td>Platelets</td>
<td>Dark blue/violet/purple granules</td>
</tr>
<tr>
<td>Neutrophils</td>
<td>Blue nucleus, pink cytoplasm, purple granules</td>
</tr>
<tr>
<td>Eosinophils</td>
<td>Blue nucleus, blue cytoplasm, red granules</td>
</tr>
<tr>
<td>Basophils</td>
<td>Dark blue purple nucleus, purple granules</td>
</tr>
<tr>
<td>Monocytes</td>
<td>Purple nucleus, light blue cytoplasm</td>
</tr>
<tr>
<td>Bacteria/microorganisms</td>
<td>Deep blue, vary in shape</td>
</tr>
<tr>
<td>Collagen, cytoplasm &amp; muscle</td>
<td>Various shades of pink, blue, orange &amp; yellow</td>
</tr>
</tbody>
</table>

**STORAGE AND HANDLING**
- **Storage:** Temperature at 4°C
- **Safety:** Refer to MSDS for details

**NOTES**
1. Useful with Polysciences’ Fungi-Fluor® Pneumocystis Kit (Cat. #22363) for sensitivity studies to *Pneumocystis jiroveci*.
2. **Differential Quik Stain Kit** may be used as an alternative to Wright Giemsa, PAP and Romanowsky stains.

**ORDERING INFORMATION**
- **Cat. #** 24606  
  Description: Differential Quik Stain Kit (1 Kit)  
  Sizes: 250ml, 500ml, 1 gallon

**Additional Products**
- 24985  
  StainRite™ Wright-Giemsa Stain Solution  
  1 liter, 10 liters

- 24986  
  StainRite™ Wright Stain Solution  
  1 liter, 10 liters, 20 liters

- 25034  
  Neat Stain Hematology Stain Kit  
  1 kit

- 22363  
  Fungi-Fluor® Pneumocystis Kit  
  1 kit

**TO ORDER**
- In The U.S. Call: 1(800) 523-2575 • (215) 343-6484
- In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214
- In Germany Call: +(49) 6221-765767
- In Germany Fax: +(49) 6221-764620
- In Asia Call: (886) 2 8712 0600
- In Asia Fax: (886) 2 8712 2677

**Technical References:**
1. Diagnosis of *Pneumocystis jiroveci* pneumonia by bronchoalveolar lavage in AIDS patients. Comparison of Diff-Quik fungifluor stain direct immunofluorescence test and polymerase chain reaction; Acta Cytol, 1995 Nov-Dec, 39(6) 1089-93