

## Differential Quik Stain Kit (Modified Giemsa)

Catalog # 26096-25, 26096-50 & 26096-75

The 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

### Storage And Handling:

Storage: Temperature at 4°C

Safety: Refer to the MSDS for details

### 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:

#### Structure

Erythrocytes

Platelets

Neutrophils

#### Color

Pink/yellowish red

Dark blue/violet/purple granules

Blue nucleus, pink cytoplasm, purple granules

Eosinophils	Blue nucleus, blue cytoplasm, red granules
Basophils	Dark blue purple nucleus, purple granules
Monocytes	Purple nucleus, light blue cytoplasm
Bacteria/microorganisms	Deep blue, vary in shape
Collagen, cytoplasm & muscle	Various shades of pink, blue, orange & yellow