



U.S. Corporate Headquarters  
400 Valley Road  
Warrington, PA 18976  
1(800) 523-2575 / (215) 343-6484  
Fax: 1(800)343-3291  
Email: info@polysciences.com  
www.polysciences.com

Polysciences Europe GmbH  
Handelsstrasse 3 D-69214  
Eppelheim, Germany  
+(49) 6221-765767  
Fax: +(49) 6221-764620  
Email: info@polysciences.de

## TECHNICAL DATA SHEET 715

Page 1 of 1

# 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	Cytopreps
Frozen Sections	Bone Marrow Biopsies
Blood Smears	Touch Preps
Cytological Specimens	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 B - Blue** Dip 5 times in Solution B
3. **Solution C - Red** Dip 5 times in Solution C
4. Wash in deionized H<sub>2</sub>O and air dry
5. Dip in xylene and cover slip

### RESULTS

Structure	Color
Erythrocytes	Pink/yellowish red
Platelets	Dark blue/violet/purple granules
Neutrophils	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

#### 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
2. Diff-Quik Stain as a Simplified Alternative to Papanicolaou Stain for Determination of Quality of Endocervical Specimens submitted for PCR Detection of Chlamydia trachomatis; *Journal of Clinical Microbiology*, Oct 1996, p. 2590-2592

### 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. #	Description	Sizes
24606	Differential Quik Stain Kit (1 Kit)	250ml, 500ml, 1 gallon

#### Additional Products

24985	<b>StainRITE™</b> Wright-Giemsa Stain Solution	1 liter, 10 liters
24986	<b>StainRITE™</b> Wright Stain Solution	1 liter, 10 liters, 20 liters
25034	Neat Stain Hematology Stain Kit	1 kit
22363	Fungi-Fluor® <i>Pneumocystis</i> Kit	1 kit

### CONTACT INFORMATION

U.S. Orders: 1(800) 523-2575 · Fax: 1(800) 343-3291  
Germany Orders: +(49) 6221-765767 · Fax: +(49) 6221-764620  
info@polysciences.com

Order online anytime at [www.polysciences.com](http://www.polysciences.com)

Should any of our materials fail to perform to our specifications, we will be pleased to provide replacements or return the purchase price. We solicit your inquiries concerning all needs for life sciences work. The information given in this bulletin is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.