



U.S. Corporate Headquarters  
400 Valley Rd.  
Warrington, PA 18976  
1(800) 523-2575 / (215) 343-6484  
1(800)343-3291 fax  
info@polysciences.com

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

Polysciences Asia-Pacific, Inc.  
2F-1, 207 Tunhwa N. Rd.  
Taipei, Taiwan 10595  
(886) 2 8712 0600  
(886) 2 8712 2677 fax  
info@polysciences.tw

## TECHNICAL DATA SHEET 815

Page 1 of 2

# StainRITE® Wright-Giemsa Stain Procedure

1. Specimen- Peripheral smears should be prepared from a freshly drawn blood specimen (*EDTA purple top tubes*). Allow smears to air dry completely before staining.
2. Please use an X or check mark to indicate that all stains and reagents are present on the bench before manual staining of rack. Reagents needed for manual testing are listed below.
3. Take a disposable pipette and flood the **StainRITE®** Wright-Giemsa Stain on the appropriately labeled slides. \_\_\_\_\_
4. Set timer for 2 minutes. \_\_\_\_\_
5. Place oxidizing **StainRITE®** Wright-Giemsa Stain and **StainRITE®** Wright-Giemsa Stain Buffer Mixture on **StainRITE®** Wright-Giemsa stained slides laying on slide rack. (*Displacing the **StainRITE®** Wright-Giemsa Stain off the slides with the pipette filled with **StainRITE®** Wright-Giemsa Stain/Buffer Mixture and viewing a metallic sheen on the top of slides.*) \_\_\_\_\_

### REAGENTS CHECKLIST

\_\_\_\_\_ Methanol for **StainRITE®** Wright-Giemsa Stain

\_\_\_\_\_ **StainRITE®** Wright-Giemsa Stain

\_\_\_\_\_ **StainRITE®** Wright-Giemsa Stain Buffer

\_\_\_\_\_ **StainRITE®** Wright-Giemsa Stain / Buffer mixture

Please mix the **StainRITE®** Wright-Giemsa Stain and buffer mixture before blood smears are made or before the smears are air drying.

Combine 15ml of **StainRITE®** Wright-Giemsa Stain with 75ml of **StainRITE®** Wright-Giemsa Stain Buffer, mix well and allow to stand for at least 10 minutes. Make sure that a metallic sheen is observed on the surface before staining.

**Allow to stand 10 minutes prior to use.**

### StainRITE® WRIGHT-GIEMSA STAIN PROCEDURE

1. Place freshly prepared and air dried blood smears in a manual staining rack. \_\_\_\_\_
2. Place slide rack with air dried blood smears in Methanol for 30 seconds. \_\_\_\_\_ (*Adjust timer for 30 seconds.*)

6. Set timer for 6 minutes. \_\_\_\_\_

7. Place slides in **StainRITE®** Wright-Giemsa Stain Buffer for 2 minutes.

8. Set timer for 2 minutes. \_\_\_\_\_

9. Retrieve slide rack with stained slides from buffer rinse and allow to air dry before examination with immersion oil and 100X objective.

### STAINED SLIDE TIPS

1. Wipe excess stain from back of slides with methanol soaked gauze, **being careful not to wipe off the stained side of the slides.**
2. Place on slide envelope or slide flat/folder and proceed to the microscope room.
3. Place 1 drop of immersion oil onto slide to be viewed making sure it is completely air dried after staining.

**B. STAINING CHARACTERISTICS**

Erythrocytes	light pink to moderate purple, not grey or blue
Polymorphonuclear Neutrophils	blue to dark blue to purple nuclei, reddish purple lilac granules, pale pink cytoplasm
Eosinophils	blue to dark blue to purple nuclei, red to orange-red granules, blue cytoplasm
Basophils	purple to dark blue to black nuclei, purple granules
Lymphocytes and monocytes	dark purple nuclei, sky blue cytoplasm
Platelets	violet to purple granules

**ORDERING INFORMATION**

Cat. #	Description
24985	<b>StainRITE®</b> Wright-Giemsa Stain Solution

**Related Products**

24981	<b>StainRITE®</b> May-Grünwald Stain Solution
24984	<b>StainRITE®</b> Wright-Giemsa Stain Phosphate Buffer pH 6.8
24986	<b>StainRITE®</b> Wright Stain Solution
24989	<b>StainRITE®</b> Wright Stain Phosphate Buffer pH 6.8
25032	<b>StainRITE®</b> May-Grünwald Giemsa Phosphate Buffer pH 7.2
25038	<b>StainRITE®</b> Giemsa Stain (for May-Grünwald)

**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

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