

# Neat Stain Hematology Stain Kit

## SUMMARY

Three-step procedure for differentiation of morphological cell types in peripheral blood smears. Also stains microorganisms and spermatozoa. Neat Stain is for manual staining of blood smears. The staining characteristics are similar to the traditional Wright's and Wright-Giemsa stains. Neat Stain offers the flexibility of a three-to-five dip staining sequence in both the stain and counter-stain solution.

## STORAGE CONDITIONS

Store at controlled room temperature (15-30°C). Keep cuvettes tightly sealed when not in use. Do not use after specified expiration date.

## INDICATIONS OF DETERIORATION

Mold growth or excessive precipitation in reagents are indications of contamination and or degradation.

## SPECIMEN COLLECTION & PREPARATION

Smears prepared from fresh uncoagulated venous or arterial blood should be air-dried. If the smears are not prepared immediately, 2mgs of EDTA /mL of blood sample should be added to prevent coagulation.

## PROCEDURE

**Materials Provided:** Neat Stain Hematology Cuvettes (6), Stand and Foil Closures

**Materials Not Provided:** Microscope Slides, Immersion Oil

## TECHNIQUE

1. Carefully open foil sealed cuvette. When not in use, reseal with supplied foil sheet(s).
2. Prepare slides as instructed under Specimen Collection.
3. Dip each slide to be processed for five, one second dips into the Fixative Solution. Allow excess reagent to drain or blot slide.
4. Repeat this procedure substituting Solution I and Solution II respectively.
5. Rinse slides with deionized water and allow to dry. Examine using immersion oil.

**NOTE:** Staining intensity may be varied by increasing or decreasing the number of dips in Solution I or Solution II. For a more eosinophilic result (red intensity), increase the number of dips into Solution I; for a more basophilic result (blue intensity), increase the number of dips into Solution II. Ideally, five one second dips into each Solution will produce the desired results. Any variation of the procedure other than described above may adversely affect the results.

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 his/her 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.

## STAINED SPECIMEN RESULTS

<u>Specimen</u>	<u>Nucleus</u>	<u>Granules</u>	<u>Cytoplasm</u>	<u>Specimen</u>	<u>Nucleus</u>	<u>Granules</u>	<u>Cytoplasm</u>
Erythrocytes	NA	NA	pink	Leucocytes Nongranular			
Leukocytes Granular				Monocytes	violet	NA	light blue
				Lymphocytes	violet	NA	medium blue
Polymorphonuclear				Platelets	NA	purple	lilac
Neutrophils	purple	red-lilac	light pink	Microorganisms	blue/violet	NA	NA
Eosinophils	dark blue	red/orange	medium blue	Spermatozoa	dark blue		
Basophils	dark blue	dark purple	light blue				

## PRECAUTIONS

Neat Stain, Fixative Solution contains methyl alcohol and is a **Flammable Liquid**.

**Danger - Poison May Be Fatal or Cause Blindness if Swallowed. Vapor is Harmful and Will Cause Eye Irritation.** Do not breathe vapor. Avoid contact with eyes, skin or clothing. Keep container closed. Use with adequate ventilation. Keep from heat, sparks and open flame. Wash thoroughly after handling.

**CANNOT BE MADE NONPOISONOUS.**

**First Aid:** If swallowed, call a physician immediately. In case of contact with eyes, immediately flush with water for 15 minutes and notify a physician. Wash exposed areas thoroughly after handling.

**WARNING:** Solution I contains trace amounts of sodium azide which may react with copper and lead plumbing to form highly explosive metal azides. On disposal, flush with a large volume of water to prevent azide build-up.

### Limited Warranty

*This product is warranted to perform as described in its labeling and product literature. Polysciences, Inc. disclaims all other warranties, expressed, implied and statutory with respect to this product, including, but not limited to the warranty of fitness for a particular purpose and the warranty of merchantability. In no event shall Polysciences, Inc. or any of its affiliates be liable for incidental or consequential damages of buyer or any third party, howsoever arising, even if advised of such damages. In no event shall Polysciences, Inc. be liable for any indirect or consequential damages.*

## Ordering Information:

Cat. #	Description	Size
25034	Neat Stain Hematology Stain Kit	1 Kit

### Additional Products

25033	Neat Stain Slide Holder	1 Unit
07441	Plain Microscope Slides	1 Box (72)

## To Order In The US:

In The U.S. Call: 1-800-523-2575 • (215) 343-6484  
In The U.S. Fax: 1-800-343-3291 • (215) 343-0214

## To Order In Germany:

In Germany Call: (49) 6221-765767  
In Germany Fax: (49) 6221-764620  
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 his/her 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.