



HEMA-DIFF™

RAPID DIFFERENTIAL STAIN Technical Data Sheet

statlab.com

Hema-Diff™ Rapid Differential Stain is a modified Giemsa/Romanowsky, three step procedure with multiple uses. The Hema-Diff™ Rapid Differential stain may be used for fine needle aspirations, cytology, blood smears, bone marrow biopsies as well as bone marrow smears; touch preps, and for staining various microorganisms on air dried smears.

APPLICATIONS

Blood Smears	Touch Preps
Frozen Sections	Cytological Specimens
Bone Marrow Biopsy	Smears-microorganisms
Fine Needle Aspiration	Cytospins

STORAGE/ SAFETY

Storage: Room Temperature
Refer to MSDS for details

HEMA-DIFF KIT CONTENTS

Hema-Diff™ #1, Fixative
Hema-Diff™ #2, Xanthene
Hema-Diff™ #3, Thiazine

ORDERING INFORMATION

Product	16 oz	1 gallon
Hema-Diff™ #1	11985-16	11985-1
Hema-Diff™ #2	11975-16	11975-1
Hema-Diff™ #3	11980-16	11980-1
Hema-Diff™ Stain Set #1, #2, #3	11970-16	

PROCEDURE

1. Fix frozen sections, touch preps, bone marrow biopsies, blood and air dried smears for 10 seconds in Hema-Diff™ #1 Fixative. Allow excess to drain.
2. Dip slide in Hema-Diff™ #2 Xanthene three to five times (1 second each dip), allow excess to drain
3. Dip slide in Hema-Diff™ #3 Thiazine, three to five times (1 second each dip), allow excess to drain.
4. Rinse slide with distilled water Allow to dry. Slide is ready to examine. (May be cover slipped after drying by dipping in xylene and then apply cover slip.

TECHNICAL REFERENCES

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) p.1089-93

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

Technical Notes

Eosinophilic staining (red tone) may be intensified by increasing dips in Hema-Diff™ #2 Xanthene. Basophilic staining (blue tone) may be intensified by increasing dips in Hema-Diff™ #3 Thiazine

CONTACT INFORMATION

StatLab Medical Products, Inc.
2090 Commerce Drive
McKinney, Texas 75069
Phone: 800-442-3573 Fax: 972-436-1369
www.statlab.com

RESULTS	NUCLEUS	GRANULES	CYTOPLASM
Erythrocytes	-----	-----	Pink
Neutrophils	Purple	Red-Lilac	Light pink
Eosinophils	Dark Blue	Red-Orange	Medium Blue
Basophils	Dark Blue	Dark-Purple	Light Blue
Monocytes	Violet	-----	Light Blue
Lymphocyte	Violet	-----	Medium Blue
Platelets	-----	Purple	Lilac
Micro-Organisms	Blue-Violet	-----	-----
Spermatozoa	Dark-Blue	-----	-----

Should any of our materials fail to perform to our specifications, we will be pleased to provide replacements or give credit for the purchase price. 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 violation of any law or government regulation.

2018-Aug 17 revised