

Neat Stain Hematology Stain Kit

Catalog Number: 25034

DESCRIPTION

A three-step, manual procedure for differentiation of morphological cell types in peripheral blood smears. This kit is also well-suited for staining microorganisms and spermatozoa, as well as stat procedures. 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.

KIT COMPONENTS

- 4 oz. bottle of QUICK III Fixative Solution
- 4 oz. bottle of QUICK III Solution I
- 4 oz. bottle of QUICK III Solution II

STORAGE CONDITIONS

Store at controlled room temperature (15-30°C), keeping lids tightly sealed when not in use. Do not use after specified expiration date and dispose of any reagent displaying signs of contamination, including excessive precipitation or mold growth.

SPECIMEN COLLECTION AND PREPARATION

Smears prepared from fresh uncoagulated venous or arterial blood should be air-dried on the slide.

If the smears are not going to be prepared immediately after collection, blood should be collected in a EDTA coated blood collection tube to prevent coagulation of the sample. Alternatively, 2 milligrams of EDTA can be added per 1 mL of blood sample.

STAINING PROCEDURE

Please note that slides can be dipped directly into the reagent bottle for convenience.

1. Dip the prepared slide into the QUICK III Fixative Solution for 1 second and then remove, repeat for a total of 5 dips total. Ensure that the sample area on the slide is submerged in solution while dipping. Drain or blot the slide carefully to remove excess reagent.
2. Repeat the procedure in Step 1, substituting the QUICK III Solution I.
3. Repeat the procedure in Step 1, substituting the QUICK III Solution II.
4. Rinse slides with deionized water and allow to dry.

Staining intensity may be varied by changing the number of dips in Solution I or Solution II. It is best practice to optimize any change to the recommend procedure above before using on critical samples.

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.

INTERPRETATION OF STAINED SPECIMENS

	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
Nongranular Monocytes	Violet	-	Light Blue
Nongranular Lymphocytes	Violet	-	Medium Blue
Platelets	-	Purple	Lilac
Microorganisms	Blue/Violet	-	-
Spermatozoa	Dark Blue	-	-

SAFETY

This product is for R&D use only. Consult the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

ORDERING INFORMATION

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

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