

QUICK III™

DESCRIPTION

Three-step procedure for differentiation of morphological cell types in peripheral blood smears. Also stains microorganisms and spermatozoa.

Summary

Quick III™ is a stain set for manual staining of blood smears. The staining characteristics are also similar to the traditional Wright's and Wright's Giemsa stains. Quick III offers the flexibility of a three-to-five dip staining sequence in both the stain and counterstain solutions.

Specimen Collection and 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.

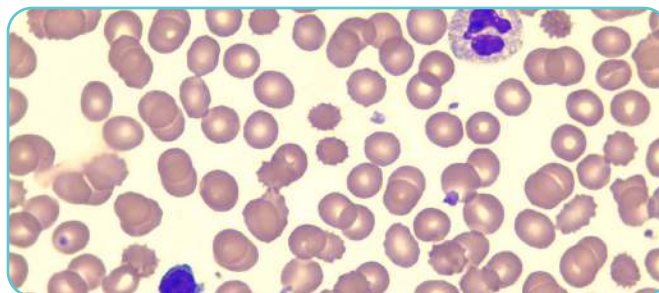
KIT CONTENTS

Materials provided:

- Quick III Fixative Solution
- Quick III Solution I
- Quick III Solution II

Materials not provided:

- Coplin jars/Staining dishes
- Microscope slides/Immersion oil



Technique

1. Transfer each Solution into coplin jars or staining dishes and keep covered when not in use.
2. Prepare slides as instructed under Specimen Collection.
3. Submerge dried blood smear slide(s) into Fixative Solution for 30 seconds. Allow slide(s) to dry before proceeding forward.
4. Dip each slide into Solution I for five, one second dips. Allow excess reagent to run off or blot slide.
5. Repeat step 4, replacing Solution I with Solution II.
6. Remove any surplus stain solution from the slide by rinsing it with deionized water. Permit it to dry prior to utilizing the microscope.

Note:

Staining intensity may be varied slightly by increasing or decreasing the number of dips in Quick III 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 effect the results.

STAINED SPECIMEN RESULTS

SPECIMEN	NUCLEUS	GRANULES	CYTOPLASM
ERYTHROCYTES	N/A	N/A	PINK
NEUTROPHILS	PURPLE	RED-LILAC	LIGHT PINK
EOSINOPHILS	DARK BLUE	RED/ORANGE	MEDIUM BLUE
BASOPHILS	DARK BLUE	DARK PURPLE	LIGHT BLUE
LEUCOCYTES NONGRANULAR	VIOLET	N/A	LIGHT BLUE
LYMPHOCYTES	VIOLET	N/A	MEDIUM BLUE
PLATELETS	N/A	PURPLE	LILAC
MICROORGANISMS	BLUE/VIOLET	N/A	N/A
SPERMATOZOA	DARK BLUE	N/A	N/A
MONOCYTES	VIOLET	N/A	LIGHT BLUE

Storage Conditions

Store at controlled room temperature (15-30°C). Keep bottles tightly closed when not in use. Do not use after expiration date specified on box label. **Note:** Mold growth or excessive precipitation in reagents are indications of contamination and or degradation.

Precautions

Quick III 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. All products are warranted to perform as described in their labeling and corresponding literature. All other warranties expressed or implied, including the warranty of merchantability and fitness for use are excluded. In no event shall Ethos Biosciences be liable for any indirect or consequential damages.

PRODUCT INFORMATION

CAT. #	DESCRIPTION
5303	Quick III™ Stat-Pak
5316	Quick III™ 16oz Set
5317, 5328	Quick III™ Fixative
5318, 5329	Quick III™ Solution I
5319, 5330	Quick III™ Solution II

TRADEMARKS

Astral Diagnostics™ and Quick III™ is a trademark of Ethos Biosciences.

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