



VitroView™ Differential Quik Stain Kit
SKU No. VB-2005

Introduction

The VitroView™ Differential Quik stain kit is a specialized staining set designed for the swift manual staining of blood smears, microorganisms, and spermatozoa. Its efficient 15-second slide dip procedure produces stained smears that are akin to those achieved through Wright-Giemsa protocols. This stain is exceptionally valuable for pathologists, facilitating the immediate interpretation of fine needle aspiration biopsies. Moreover, the detection of *H. pylori* microorganisms has been significantly simplified with the use of this stain.

Kit Components

- VB-2005-1 Differential Quik Fixative Solution -----250 ml
- VB-2005-2 Differential Quik Stain Solution I -----250 ml
- VB-2005-3 Differential Quik Stain Solution II----- 250ml

Storage

Room temperature.

Protocol

For Paraffin Sections:

1. Deparaffinize in Xylene I for 6 minutes and II for 6 minutes.
2. Rehydrate: ethanol 100% (2 minutes)×2; ethanol 95% (2 minutes) ×2; ethanol 70% (2 minutes) ×1; Rinse in distilled water (5 minutes).
3. Stain with Differential Quik Stain Solution II for 30 seconds.
4. Counterstain (optional) with Differential Quik Stain Solution I for 30 seconds.
5. Rinse rapidly in tap water.
6. Rapidly dehydrate in absolute alcohol.
7. Clear with 3 changes of xylene (5 minute per change).
8. Mount coverslip onto a glass slide with Permount or some other suitable organic mounting medium.

For Smears/Imprints:

1. Air-dry the smear.
2. Fix in Differential Quik Fixative Solution for 30 seconds.
3. Stain with Differential Quik Stain Solution II for 30 seconds.
4. Counterstain (optional) with Differential Quik Stain Solution I for 30 seconds.
5. Rinse in tap water to remove excess stain.
6. Rapidly dehydrate in absolute alcohol.
7. Deparaffinize in Xylene I for 6 minutes and II for 6 minutes.
8. Mount coverslip onto a glass slide with Permount or some other suitable organic mounting medium.

Expected Results

- Background.....light blue
- Helicobacter.....dark blue
- Platelets.....violet to purple
- Neutrophils
 - nucleus.....dark blue
 - cytoplasm.....pale pink
- Eosinophils
 - nucleus.....blue
 - cytoplasm.....blue
 - granules.....red to red/orange
- Basophils
 - nucleus.....purple or dark blue
 - granules.....dark purple/black
- Monocytes
 - nucleus(lobated).....violet
 - cytoplasm.....sky blue

Precautions: Handle with care. Avoid contact with eyes, skin and clothing. Do not ingest. Wear gloves.

Note: This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.