

ALCIAN BLUE pH 2.5 STAIN KIT PROCEDURE

Item# KT 003

(Revised July 24, 2008)

KIT COMPONENTS INCLUDED:

125 ml ALCIAN BLUE STAIN, pH 2.5
125 ml NUCLEAR FAST RED STAIN
500 ml ACETIC ACID SOLUTION (3%)

PRINCIPLE: This kit demonstrates acid mucins, carboxylated and sulfated mucosubstances [except strongly sulfated mucosubstances].

SPECIMEN: Any well fixed paraffin embedded tissue cut at 5 microns.

PROCEDURE:

1. Deparaffinize slide using Xylene or a Xylene Substitute and hydrate through graded alcohols to Tap water.
2. Rinse slide in running Tap water.
3. Rinse slide in Distilled water.
4. Place slide in **Acetic Acid Solution (3%)** for 3 minutes.
5. Without rinsing, place slide in **Alcian Blue Stain, pH 2.5** for 30 minutes.
6. Rinse slide in running Tap water for 1 minute.
7. Place slide in **Nuclear Fast Red Stain** for 5 minutes.
8. Rinse slide in running Tap water for 1 minute.
9. Dehydrate slide through 3 changes of Absolute Alcohol.
10. Clear slide through 3 changes of Xylene or Xylene Substitute.
11. Coverslip using a permanent mounting media.

RESULTS:

Acidic mucins, carboxylated **BLUE**
and sulfated mucosubstances:
Nuclei: **PINK TO RED**
Cytoplasm and Background: **PALE PINK**

REFERENCE: Sheehan DC Hrapchak BB: Theory and Practice of Histotechnology; 1980; 172 - 173.

IVD **For In-Vitro Diagnostic Use.**

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product.

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