

ALCIAN BLUE pH 1.0 STAIN KIT PROCEDURE

Item# KTABP1

(Revised 04/19/11)

**KIT
COMPONENTS
INCLUDED:**

100ml. ALCIAN BLUE STAIN pH 1.0
100ml. NUCLEAR FAST RED STAIN
1 PINT 3% ACETIC ACID

PRINCIPLE: This kit demonstrates strongly sulfated mucosubstances.

SPECIMEN: Any well fixed paraffin embedded tissue cut at 4 to 5 microns.

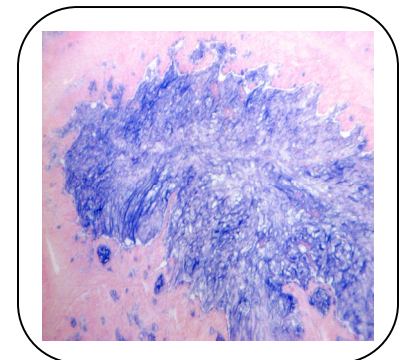
QUALITY CONTROL: American MasterTech Recommended Control Slides:
Colon, CSC1025P; Small Intestine, CSS0325P

PROCEDURE:

1. Deparaffinize slide using Xylene or a Xylene Substitute and hydrate through graded alcohols.
2. Rinse slide in running Tap water.
3. Rinse slide in Distilled water.
4. Place slide in **3% ACETIC ACID** for 3 minutes.
5. Without rinsing, place slide in **ALCIAN BLUE STAIN pH 1.0** 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:

Strongly sulfated mucosubstances: **BLUE**
Cytoplasm and background: **PALE PINK**
Nuclei: **PINK to RED**



Human Colon Tumor

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

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