

## ALCIAN BLUE pH 2.5 STAIN KIT PROCEDURE

Item# KTABP2.5

(Revised 04/19/11)

**KIT  
COMPONENTS  
INCLUDED:**

100ml. ALCIAN BLUE STAIN pH 2.5  
100ml. NUCLEAR FAST RED STAIN  
1 PINT 3% ACETIC ACID

PRINCIPLE: This kit demonstrates acid mucins, carboxylated and sulfated mucosubstances.  
[strongly sulfated mucosubstances are not demonstrated]

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

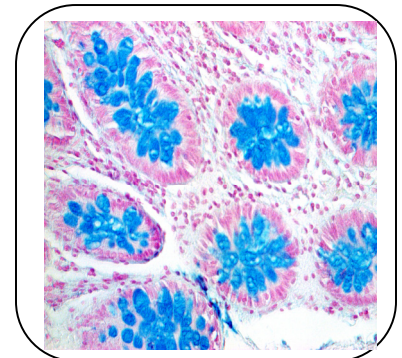
QUALITY CONTROL: American MasterTech Recommended Control Slides:  
Colon, CSC1025P; Small Intestine, CSS0325P

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 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:

Acid mucins, carboxylated and sulfated mucosubstances: **BLUE**  
Cytoplasm and background: **PALE PINK**  
Nuclei: **PINK to RED**



Normal Human Colon

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

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