



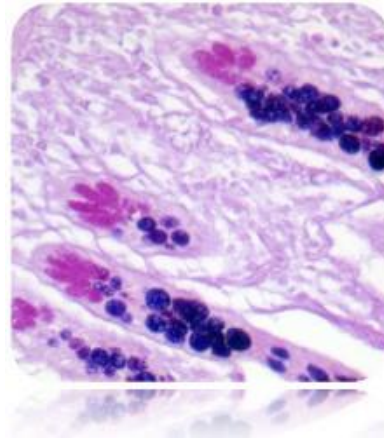
Alcian Blue – PAS Stain Kit

Description: The Alcian Blue - PAS Stain Kit is intended for use in the simultaneous histological visualization of sulfated and carboxylated acid mucopolysaccharides, sulfated and carboxylated sialomucins (glycoproteins) and neutral mucins.

Acidic Sulfated Mucosubstances:	Blue
Hyaluronic Acid:	Blue
Sialomucins:	Blue
Neutral Mucins:	Magenta
Mixtures of Acidic and Neutral Mucins:	Blue - Mauve depending on dominant entity.

Uses/Limitations: Not to be taken internally.
For In-Vitro Diagnostic use only.
Histological applications.
Do not use if reagents become cloudy.
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile.


Control Tissue: Small or large Intestine
Appendix
Colon



Kit Contents:

<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
Acetic Acid Solution (3%)	125 ml x 2	18-25°C
Alcian Blue Solution, pH 2.5	250 ml	18-25°C
Periodic Acid Solution (1%)	250 ml	2-8°C
Schiff's Solution	250 ml	2-8°C
Hematoxylin, Mayer's (Lillie's)	125 ml x 2	18-25°C

Precautions: Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C  25° C

Mixed Storage Conditions.
Separate Contents.




Procedure (Room Temperature):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply Acetic Acid Solution (3%) to tissue section for 2 minutes.
3. Remove excess Acetic Acid Solution (3%) and without rinsing apply Alcian Blue (pH 2.5) solution for 15-20 minutes.
4. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
5. Apply Periodic Acid Solution to tissue section for 5 minutes.
6. Rinse slide in 2 changes of distilled water.
7. Apply Schiff's Solution to tissue section for 10-20 minutes.
8. Rinse for 2 minutes in warm running tap water followed by 2 changes of distilled water.
9. Apply Hematoxylin, Mayer's (Lillie's Modification) to tissue section for 2 minutes.
10. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
11. Dehydrate through graded alcohols.
12. Clear, and mount in synthetic resin.

References:

1. Lillie, R.D. 1977, H.J. Conn's Biological Stains, 9th Edition. Williams & Wilkins, Baltimore. Pages 452-455.
2. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH. Pages 172-173.
3. Churukian, C.J., 1989, Manual of Special Stains Laboratory, 4th Edition. University of Rochester, Rochester, New York. Pages 55-56.
4. Carson, F.L., 1996, Histotechnology; A Self-Instructional Text, 2nd Edition. ASCP Press, Chicago, IL. Pages 117-121.

Storage: 2° C  25° C

**Mixed Storage Conditions.
Separate Contents.**