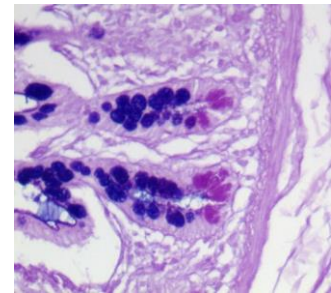


Alcian Blue - PAS Stain Kit

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.

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

Control Tissue: Small or large Intestine
Appendix
Colon



Results: Acidic Mucins: Blue - Purple
Neutral Mucins: Magenta
Mixtures of Acidic and Neutral Mucins: Blue – Purple depending on dominant entity.

Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
SSC-AAG125	Acetic Acid Solution (3%)	2 x 125 ml	18-25°C
SSC-ANC250	Alcian Blue Solution, pH 2.5	250 ml	18-25°C
SSC-PAQ250	Periodic Acid Solution	250 ml	2-8°C
SSC-SRF250	Schiff's Solution	250 ml	2-8°C
SSC-HMM125	Hematoxylin, Mayer's (Lillie's Mod.)	2 x 125 ml	18-25°C

Mixed Storage Conditions. Separate Contents.

For information regarding ordering individual components, please contact us at: 800-442-3573.

Control Slides Available. Catalog: CS-ALCBL/25, Alcian Blue, 25/pack

Precautions: Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.
Use in chemical fume hood whenever possible.



Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply Acetic Acid Solution (3%) to tissue section for 1 minute.
3. Remove excess Acetic Acid Solution (3%) and without rinsing apply Alcian Blue (pH 2.5) solution for 20-30 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 tap water for 2 minutes followed by 2 changes of distilled water.
7. Apply Schiff's Solution to tissue section for 20 minutes.
8. Rinse for 5 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 1 minute.
10. Rinse for 5 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.



Lot-to-Lot Validation Form
 Alcian Blue – PAS Stain Kit Catalog: SSK-ALCBL-PAS

Kit Lot Number: _____
 Kit Expiration Date: _____
 Date Tested: _____
 Control Tissue (#) _____
 Approved for Use: Y/N _____
 Date put into use: _____

Kit Component	Lot #
Acetic Acid Sol. (3%)	_____
Alcian Blue, pH 2.5	_____
Periodic Acid Solution	_____
Schiff's Solution	_____
Hematoxylin, Mayer's	_____

If not approved,
 corrective actions
 taken: _____

Approved by: _____

Replacement Component if used	Replacement Date	Lot #	Accepted Y/N	Comments
Acetic Acid Sol. (3%)				
Alcian Blue, pH 2.5				
Periodic Acid Solution				
Schiff's Solution				
Hematoxylin, Mayer's				
Approved by: _____				

Note: Individual components are designed to be interchangeable with StatLab kits when both are produced by StatLab and have identical catalog numbers (e.g. SSC-ANCxxx may be ordered as an individual component to replace Alcian Blue that is supplied with kit.

StatLab is providing this form to assist with reagent lot validation as stated in CLIA'88 Standard 493.1256-For reagent(s), the laboratory must do the following: Check each batch (prepared in-house), lot number (commercially prepared) and shipment of reagents, stains, and identification systems (systems using two or more substrates or two or more reagents, or a combination) when prepared or opened for positive and negative reactivity, if applicable.