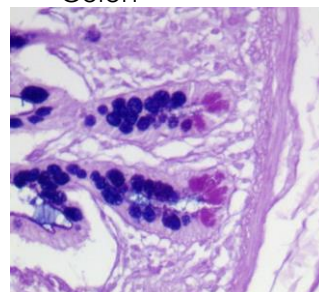


Alcian Blue, pH 2.5 Solution SSC-ANCxxx

Description: The Alcian Blue Stain solution reacts to compounds containing anionic groups such as acid mucosubstances and acid mucins. At pH 2.5, both carboxylated and sulfated acidic mucosubstances are stained blue.

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 Mucosubstances- Blue
 Neutral Polysaccharides-Magenta
 Other substances and mixtures of the above may Appear purple. The color may range from blue purple to violet
 Nuclei-Blue if stained with Hematoxylin
 Nuclei-Red if stained with Nuclear Fast Red

Item Numbers:

<u>Item #</u>	<u>Product</u>	<u>Volume</u>	<u>Storage</u>
SSC-ANC125	Alcian Blue Solution, pH 2.5	125 ml	18-25°C
SSC-ANC250	Alcian Blue Solution, pH 2.5	250 ml	18-25°C
SSC-ANC500	Alcian Blue Solution, pH 2.5	500 ml	18-25°C
SSC-ANC999	Alcian Blue Solution, pH 2.5	1000 ml	18-25°C
SSC-ANC3800	Alcian Blue Solution, pH 2.5	1 gallon	18-25°C

Note: Individual components are designed to be interchangeable with StatLab Special Stain 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(s) containing Alcian Blue, pH 2.5.

Storage Conditions: Room Temperature (18-25°C)

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.
 Refer to the SDS for health and safety information



Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Place slides in Alcian Blue (pH 2.5) solution for 20-30 minutes at room temperature.
3. Rinse slide in 2 changes of distilled water.
4. Optional-Nuclear Fast Red Stain: for 1 minute
5. Rinse for 2 minutes in 2 changes of distilled water.
6. Dehydrate through graded alcohols.
7. Clear, and mount in synthetic resin.

Procedure (Alcian Blue, pH 2.5 PAS)

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply Acetic Acid Solution 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 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 30 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 sections for 2 minutes.
10. Rinse for 2 minutes in running tap water followed by two changes of distilled water.
11. Dehydrate though graded alcohols.
12. Clear, and mount in synthetic resin.

Troubleshooting: Please contact StatLab Medical Products technical support at 800-442-3573.

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, pH 2.5 Solution Catalog: SSC-ANCxxx

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

If not approved,
corrective actions taken: _____

Approved by: _____

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

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.