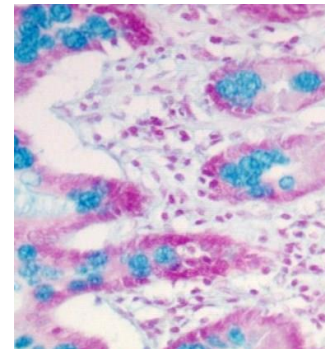


## Alcian Blue (pH 1.0) Stain Kit

**Description:** The Alcian Blue (pH 1.0) Stain Kit is intended for use in the histological visualization of strongly sulfated mucosubstances.

**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 Intestine  
Appendix  
Colon



**Results:** Strongly Sulfated Mucosubstances: Blue  
Nuclei: Red  
Background: Pink

**Kit Contents:**

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
SSC-ANA250	Alcian Blue Solution (pH 1.0)	250 ml	18-25°C
SSC-AAG500	Acetic Acid Solution	500 ml	18-25°C
SSC-NFS250	Nuclear Fast Red Solution	250 ml	18-25°C

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

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

**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. Incubate slide in Acetic Acid Solution for 3 minutes.
3. Stain tissue section with Alcian Blue Solution (pH 1.0) solution for 30 minutes at room temperature or 15 minutes at 37° C.
4. If desired, rinse slide briefly in Acetic Acid solution to remove excess Alcian Blue.
5. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
6. Stain tissue section with Nuclear Fast Red Solution for 5 minutes.
7. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
8. Dehydrate through graded alcohols.



9. Clear, and mount in synthetic resin.

**References:**

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



Lot-to-Lot Validation Form  
 Alcian Blue (pH 1.0) Stain Kit Catalog: SSK-ALCBL/PH1

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

<b>Kit Component</b>	<b>Lot #</b>
Alcian Blue Solution (pH 1.0)	_____
Nuclear Fast Red Solution	_____
Acetic Acid Solution	_____

If not approved, corrective actions taken:	_____
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Approved by: \_\_\_\_\_

<b>Replacement Component if used</b>	<b>Replacement Date</b>	<b>Lot #</b>	<b>Accepted Y/N</b>	<b>Comments</b>
Alcian Blue Solution (pH 1.0)				
Nuclear Fast Red Solution				
Acetic Acid Solution				
Approved by: _____				

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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.