

# Alcian Blue (pH 0.5) Stain Kit

**Description** The Alcian Blue (pH 0.5) Stain Kit is intended for use in the histological visualization of strongly sulfated mucosubstances.

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

**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

<b>Kit Contents</b>	<b>Catalog</b>	<b>Product</b>	<b>Volume</b>	<b>Storage</b>
	HANB250	Alcian Blue Solution (pH 0.5)	250 ml	18-25°C
	HAAG500	Acetic Acid Solution	500 ml	18-25°C
	HSOH250	Safranin O Solution	250 ml	18-25°C

**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 0.5) 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 Safranin O 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, 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.