	Instructions For Use ES4801-IFU		
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## Alcian Blue (pH 2.5) Stain Kit

**Description:** The Alcian Blue (pH 2.5) Stain Kit is intended for use in the histological visualization of sulfated and carboxylated acid mucopolysaccharides and sulfated and carboxylated sialomucins (glycoproteins).

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Acidic Sulfated Mucosubstances: Blue				
Hyaluronic Acid:	Blue			
Sialomucins:	Blue			
Nuclei:	Red			
Background:	Pink			

- Uses/Limitations:For In-Vitro Diagnostic use only.<br/>Histological applications.<br/>Do not use past expiration date.<br/>Use caution when handling these reagents.
- Control Tissue: Small Intestine Appendix Colon

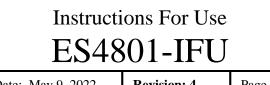
## U Availability/Contents:

Kit Contents	<u>Volume</u>	Storage Conditions
Alcian Blue, pH 2.5	250 ml	Room Temperature
Nuclear Fast Red Solution (Enhanced Stability)	250 ml	Room Temperature
Acetic Acid Solution	500 ml	Room Temperature

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.

Storage: 18° C Store Components at Room Temperature.





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## **Procedure (Standard):**

- 1. Deparaffinize sections if necessary and hydrate to distilled water.
- 2. Incubate slide in Acetic Acid solution for 3 minutes.
- 3. Incubate slide in Alcian Blue (pH 2.5) 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 slide in 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.

