

## Instructions For Use

**Revision: 1** 

AFT-2-IFU

Rev. Date: Aug. 13, 2011

Page 1 of 2

P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

# 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.

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

### Availability/Contents:

Item #	Kit Contents	<u>Volume</u>	<b>Storage</b>
ANA030	Alcian Blue Solution (pH 1.0)	30 ml	18-25 ℃
AAG030	Acetic Acid Solution	30 ml x 2	18-25 <i>°</i> C
SOH030	Safranin O Solution	30 ml	18-25 <i>°</i> 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 5-10 drops of Acetic Acid Solution for 3 minutes.
- 3. Stain tissue section with 5-10 drops of 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 5-10 drops of 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 5-10 drops of 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.

Storage: 18° C



ScyTek Laboratories, Inc. 205 South 600 West Logan, UT 84321 U.S.A.



EC REP EmergoEurope (31)(0) 70 345-8570 Molsnstraat 15 2513 BH Hague, The Netherlands

Doc: IFU-Template18-25rev2

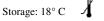


Instructions For Use					
AFT-2-IFU					
Rev. Date: Aug. 13, 2011	Revision: 1	Page 2 of 2			

P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

#### **References:**

- 1. Lev, R., Spicer, S.S. 1964, Specific Staining of sulfate groups with alcian blue at low pH. Journal of Histochemistry and Cytochemistry. Volume 12, Page 309.
- 2. Pennock, C.A., Burns, J., Massarella, G. 1968, Histochemical investigation of acid mucosubstances in secondary amyloidosis.
- 3. Lillie, R.D. 1977, H.J. Conn's Biological Stains, 9<sup>th</sup> Edition. Williams & Wilkins, Baltimore. Pages 452-455.
- 4. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2<sup>nd</sup> Edition. Battelle Press, Columbus, OH. Pages 172-173.
- 5. Churukian, C.J., 1989, Manual of Special Stains Laboratory, 4<sup>th</sup> Edition. University of Rochester, Rochester, New York. Pages 55-56.
- 6. Carson, F.L., 1996, Histotechnology; A Self-Instructional Text, 2<sup>nd</sup> Edition. ASCP Press, Chicago, IL. Pages 117-121.





ScyTek Laboratories, Inc. 205 South 600 West Logan, UT 84321 U.S.A.



EC REP EmergoEurope (31)(0) 70 345-8570 Molsnstraat 15 2513 BH Hague, The Netherlands

Doc: IFU-Template18-25rev2