

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:


<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
ANA030	Alcian Blue Solution (pH 1.0)	30 ml	18-25°C
AAG030	Acetic Acid Solution	30 ml x 2	18-25°C
NFS030	Nuclear Fast Red (Enhanced Stability)	30 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 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 Nuclear Fast Red (Enhanced 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  25° C






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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, 9th Edition. Williams & Wilkins, Baltimore. Pages 452-455.
4. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH. Pages 172-173.
5. Churukian, C.J., 1989, Manual of Special Stains Laboratory, 4th Edition. University of Rochester, Rochester, New York. Pages 55-56.
6. Carson, F.L., 1996, Histotechnology; A Self-Instructional Text, 2nd Edition. ASCP Press, Chicago, IL. Pages 117-121.

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