

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

Kit Contents	Catalog	Product	Volume	Storage
	HANA250	Alcian Blue Solution (pH 1.0)	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 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 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.