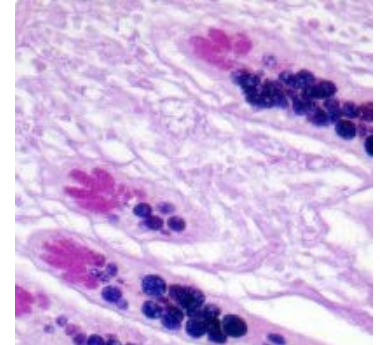


Alcian Blue – PAS Stain Kit

Description

The Alcian Blue - PAS Stain Kit is intended for use in the simultaneous histological visualization of sulfated and carboxylated acid mucopolysaccharides, sulfated and carboxylated sialomucins (glycoproteins) and neutral mucins.



Acidic Sulfated Mucosubstances	Blue
Hyaluronic Acid	Blue
Sialomucins	Blue
Neutral Mucins	Magenta
Mixtures of Acidic and Neutral Mucins	Blue - Mauve (depending on dominant entity)

Uses/Limitations

Not to be taken internally.
 For *in vitro* diagnostic use only. Histological applications.
 Do not use if reagents become cloudy. Do not use past expiration date.
 Use caution when handling reagents. Non-Sterile.

Control Tissue

Small or large Intestine
 Appendix
 Colon

Kit Contents

Catalog	Product	Volume	Storage
HAAG125	Acetic Acid Solution (3%)	125 ml x 2	18-25°C
HANC250	Alcian Blue Solution, pH 2.5	250 ml	18-25°C
HPAQ250	Periodic Acid Solution (1%)	250 ml	2-8°C
HSRF250	Schiff's Solution	250 ml	2-8°C
HHMM125	Hematoxylin, Mayer's (Lillie's)	125 ml x 2	18-25°C

Precautions

Avoid contact with skin and eyes.
 Harmful if swallowed.
 Follow all Federal, State, and local regulations regarding disposal.

Procedure (Room Temperature)

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply Acetic Acid Solution (3%) to tissue section for two minutes.
3. Remove excess Acetic Acid Solution (3%) and without rinsing apply Alcian Blue (pH 2.5) solution for 15-20 minutes.
4. Rinse for two minutes in running tap water followed by two changes of distilled water.
5. Apply Periodic Acid Solution to tissue section for five minutes.
6. Rinse slide in two changes of distilled water.

7. Apply Schiff's Solution to tissue section for 10-20 minutes.
8. Rinse for two minutes in warm running tap water followed by two changes of distilled water.
9. Apply Hematoxylin, Mayer's (Lillie's Modification) to tissue section for two minutes.
10. Rinse for two minutes in running tap water followed by two changes of distilled water.
11. Dehydrate through graded alcohols.
12. 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.
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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.