



Instructions For Use

AFR-IFU

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Alcian Blue (pH 2.5) Stain Kit

Description and Principle

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).

Alcian Blue, a copper phthalocyanine dye, binds acid mucopolysubstances. When used in a pH 2.5 acid solution Alcian Blue stains both sulfated and carboxylated acid mucosubstances.

Expected Results

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

Kit Contents

1. Alcian Blue Solution (pH 2.5)	
2. Nuclear Fast Red (Enhanced Stability)	
3. Acetic Acid Solution	

Storage

18-25°C
18-25°C
18-25°C

Suggested Controls (not provided)

Small Intestine, Appendix, Colon

Uses/Limitations

For In-Vitro Diagnostic use only.

Do not use if reagents become cloudy or precipitate

Do not use past expiration date.

Use caution when handling reagents.

Non-Sterile

Intended for FFPE sections cut at 5-10µm.

This procedure has not been optimized for frozen sections.

Frozen sections may require protocol modification.

Storage

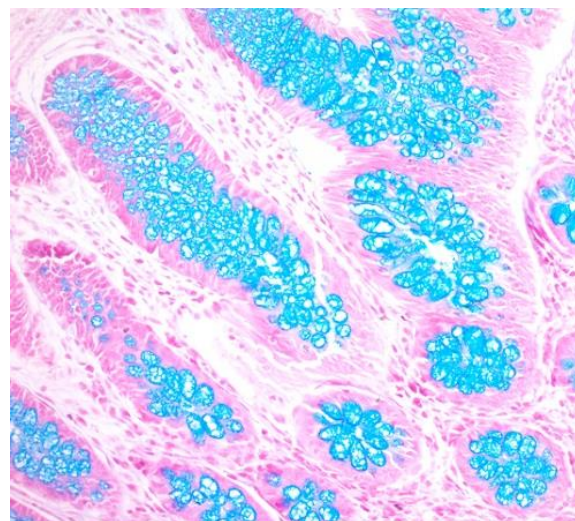
Store kit and all components at room temperature (18-25°C).

Safety and Precautions

Please see current Safety Data Sheets (SDS) for this product and components GHS classification, pictograms, and full hazard/precautionary statements.

Procedure

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 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 tissue section with Nuclear Fast Red Solution (Enhanced Stability) for 5 minutes.



Alcian Blue Solution (pH 2.5) staining on Normal Human Colon.
Magnification 200X


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

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