

Usage procedure for: **Alcian Blue Stain Kit, pH 2.5**

Avantik Kit Item #: RS4548-250 | RS4548-500

Solutions Provided in Stain Kit:

Acetic Acid, 3%

Alcian Blue, pH 2.5

Nuclear Fast Red



19 Chapin Rd - Building C
Pine Brook, NJ 07058

t: **800.783.9424**
e: **info@avantik-us.com**

avantik-us.com

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Place slides in **Acetic Acid, 3%** for 3 minutes.
3. Place slides directly into **Alcian Blue, pH 2.5** for 30 minutes at room temperature.
4. Briefly rinse in slides in **Acetic Acid, 3%** to remove any excess Alcian Blue from the sections.
5. Wash slides in running tap water for 10 minutes.
6. Rinse slides in distilled water.
7. Counterstain slides in **Nuclear Fast Red** for 5 minutes.
8. Wash slides in running tap water for 1-2 minutes.
9. Dehydrate slides in 2 changes each of 95% alcohol and 100% alcohol.
10. Clear in 2-3 changes of xylene and mount with appropriate mounting medium.

Results:

Acid mucins, carboxylated
& Sulfated mucosubstances:

Blue

Nuclei:

Pink to Red

Background and Cytoplasm:

Pink

Kit Components and Related Control Slides:

Avantik Item Numbers:

Acetic Acid, 3%: RS4385-250 (250 mL) | RS4385-500 (500 mL) | RS4385-1GL (1 Gallon)

Alcian Blue, pH 2.5: RS4388-250 (250 mL) | RS4388-500 (500 mL) | RS4388-1000 (1000 mL)

Nuclear Fast Red: RS4429-250 (250 mL) | RS4429-500 (500 mL) | RS4429-1GL (1 Gallon)