

Usage procedure for: **Alcian Blue Stain Kit, pH 1.0**



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Avantik Kit Item #: RS4547-125 | RS4547-250 | RS4547-500

Solutions Provided in Stain Kit:

Acetic Acid, 3%
Alcian Blue, pH 1.0
Nuclear Fast Red

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 1.0 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. For best results, omit the rinse step and blot sections dry with fine filter paper. This will eliminate any nonspecific staining that may occur from the rinse step due to a change in pH.
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 1.0: RS4387-250 (250 mL) | RS4387-500 (500 mL) | RS4387-1000 (1000 mL)
RS4387-1GL (1 Gallon)

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