

Usage procedure for: **Alcian Blue/PAS Stain Kit**



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Avantik Kit Item #: RS4546-125 | RS4546-250 | RS4546-500

Solutions Provided in Stain Kit:

Acetic Acid, 3%
Alcian Blue, pH 2.5
Periodic Acid, 0.5%
Schiff Reagent
Modified Mayer's Hematoxylin

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Place slides in **Acetic Acid, 3%** for 1 minute.
3. Place slides directly into **Alcian Blue, pH 2.5** for 30 minutes at room temperature. Alternatively, slides may be placed in Alcian Blue, pH 2.5 for 15 minutes in a 37 degrees water bath.
4. Wash slides in running tap water for several minutes.
5. Rinse slides in distilled water.
6. Place slides in Periodic Acid, 0.5% for 10 minutes.
7. Wash slides in running tap water for several minutes.
8. Rinse slides in distilled water.
9. Place slides in Schiff Reagent for 10 minutes.
10. Wash slides in running tap water for 5-10 minutes.
11. If desired, stain sections in Modified Mayer's Hematoxylin for 1-5 minutes (depending on the desired level of intensity).
12. Wash slides in running tap water for several minutes.
13. Dehydrate slides in 2 changes each of 95% alcohol and 100% alcohol.
14. Clear in 2-3 changes of xylene and mount with appropriate mounting medium.

Results:

Neutral Mucins and Glycogen:	Pink to Red
Acid Mucins:	Blue
Nuclei:	Blue (If Hematoxylin is used)

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)

Periodic Acid, 0.5%: RS4435-250 (250 mL) | RS4435-500 (500 mL)

Schiff Reagent: RS4450-250 (250 mL) | RS4450-500 (500 mL)

Modified Mayer's Hematoxylin: RS4427-250 (250 mL) | RS4427-500 (500 mL)