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

**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

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**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)