



## Alcian Blue pH 1.0

**Solutions Provided:**

#SSC1033-250 – **Acetic Acid 3%**

#SSC1039-250 – **Alcian Blue, pH 1.0**

#SSC1099-250 – **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 in **Alcian Blue, pH 1.0** for 30 minutes at room temperature.
  - a. Alternatively, slides may be placed in **Alcian Blue, pH 1.0** for **15 minutes** in a **37°C** water bath.
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 1 minute.
  - a. 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. Counterstain slides in **Nuclear Fast Red** for **5 minutes**.
7. Wash slides in running tap water for 1-2 minutes.
8. Dehydrate slides in 2 changes each of 95% alcohol and 100% alcohol.
9. Clear in 2-3 changes of xylene and mount with appropriate mounting medium.

**Results:**

Sulfated mucosubstances:	Blue
Nuclei:	Pink to Red
Background & Cytoplasm:	Pink