

## Alcian Blue Stain Kit

**Product name: Alcian Blue Stain Kit (pH 2.5)**

**Catalog No.: TASS03-pH2.5**

**Introduction:**

Alcian blue stains acid mucosubstances and acetic mucins. When pH=2.5, Alcian blue staining methods can stain non-sulfated and acid-simple mucins, which can be used to observe goblet cells, colloid of thyroid, cartilage and others. Strongly acidic mucosubstances will be stained blue, nuclei will be stained pink to red, and cytoplasm will be stained pink.

**Form:**

| Catalog No. | Size  |
|-------------|-------|
| TASS03-125  | 125ml |
| TASS03-250  | 250ml |

**Kit Contents (for 125/250ml kit):**

| Kit Contents  | Format                           | Recommend time | Storage |
|---|----------------------------------|----------------|---------|
| Alcian Blue Solution (pH 2.5)                                     | Ready to Use,125/250ml           | 30 minutes.    | 25-28°C |
| 0.1% Nuclear Fast Red Solution                                    | Ready to Use,125/250ml           | 5-10 minutes.  | 25-28°C |
| Control slide x 2   | Bone tissue containing cartilage | -              | 25-28°C |
| Reagent necessary but not included:<br>1. 3% Acetic acid solution |                                  |                |         |

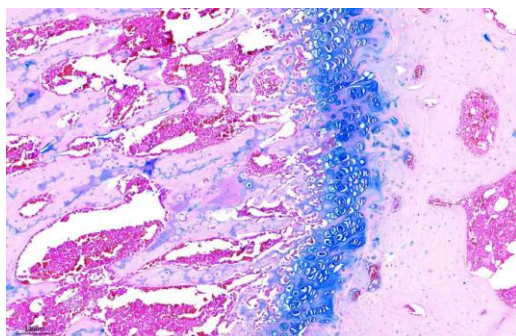
**Staining Protocol Recommendations:**



1. Deparaffinize slides and hydrate to distilled water.
2. Stain in Alcian blue solution for 30 minutes.
3. Wash in running tap water for 2 minutes.
4. Rinse in distilled water or 3% acetic acid solution.
5. Counterstain in nuclear fast red solution for 5-10 minutes.
6. Wash in running tap water for 1 minute.
7. Dehydrate and through 95% alcohol, 2 changes of absolute alcohol, 3 minutes each.
8. Air dry.
9. Clear in xylene or xylene substitute.
10. Mount with resinous mounting medium.

## Results:

Strongly acidic sulfated mucosubstances ----- blue  
Nuclei ----- pink to red  
Cytoplasm ----- pale pink



## Positive Controls:

Small intestine, colon, thyroid, trachea, cartilage

## Storage and Stability:

Please read the kit contents and follow the storage condition. The user must validate any other storage conditions. When properly stored, the reagent is stable until the date indicated on the label. Do not use the reagent beyond the expiration date. If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical: [info@biotna.net](mailto:info@biotna.net)