BIOTnA Biotech
BIOSCIENCE FOR THE LAB.

Alcian Blue Stain Kit

Product name: Alcian Blue Stain Kit (pH 1.0)
Catalog No.: TASS03-pH1.0

Introduction:
Alcian blue stains acid mucosubstances and acetic mucins. When pH=1.0, 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 1.0)	Ready to Use,125/250ml	30minutes.	25-28℃
0.1% Nuclear Fast Red Solution	Ready to Use,125/250ml	5-10minutes.	25-28℃
Control slide x 2	Bone tissue containing cartilage	~	25-28℃

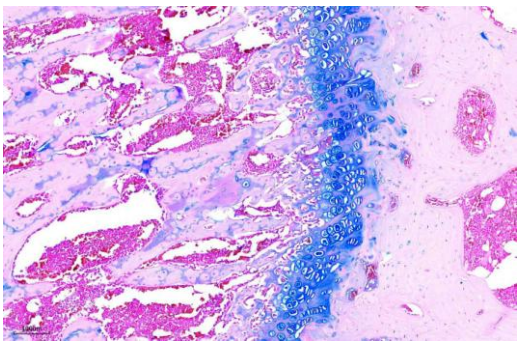
Reagent necessary but not included:
1. 0.1N HCl solution.

Staining Protocol Recommendations:

1. Deparaffinize slides and hydrate to distilled water.
2. Stain in Alcian blue solution for 30 minutes.
3. Rinse in 0.1N HCl solution.
4. Counterstain in nuclear fast red solution for 5-10 minutes.
5. Wash in running tap water for 1 minute.
6. Dehydrate and through 95% alcohol, 2 changes of absolute alcohol, 3 minutes each.
7. Air dry.
8. Clear in xylene or xylene substitute.
9. Mount with resinous mounting medium.

Results:

Sulfated mucosubstances ---------- blue
Nuclei ---------- pink to red
Cytoplasm ---------- pale pink



Positive Controls:

Intestine (goblet cells), thyroid, trachea and bone 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