

## Alcian Blue ph 2,5 Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

This kit is used for the Histochemical staining of sulfomucins and sulphated containing proteoglycans.

**INTENDED USE :** IN VITRO DIAGNOSTIC USE

### DESCRIPTION :

The Alcian Blue Kit is a broad spectrum stain for mucins. It demonstrates sialomucins, sulfomucins and proteoglycans. Alcian blue has been demonstrated to bind and precipitate hyaluronic acid, chondroitin sulphate and heparin from an aqueous solution, but does not precipitate glycogen hence is glycogen negative unlike PAS which is positive.

### SPECIMEN COLLECTION :

Fixation in routine Buffered Formalin solution is satisfactory. Paraffin sections at 10 - 15 microns.

### REAGENTS :

	150 TEST	1000 TEST	2000 TEST
Alcian Blue 1% in 3% Acetic Acid (pH 2.5)	1x 50ml	1x 500ml	1x 1000ml
Neutral Red 0.1% Aqueous	1x 50ml	1x 500ml	1x 1000ml

*\* Number of TEST calculated according to 330 microliter per slide.*

### CATALOG NO

PLKit400-150

PLKit400-1000

PLKit400-2000

**MICROBIOLOGICAL STATE :** This product is not sterile.

**PROCEDURE TIME :** Approximate 50 minute.

### PROTOCOL :

1. Dewax sections, hydrate through alcohols and rinse in tap water
2. Stain in 1% alcian blue for 30 minutes
3. Rinse in 3% acetic acid for 1 seconds
4. Wash in running tap water for 5 minutes
5. Counterstain in neutral red for 3 minutes
6. Rinse quickly in water and blot dry
7. Dehydrate quickly in alcohols, clear and mount

### RESULTS :

Acid mucosubstances, hyaluronic acid, sialomucins : Blue/Green

Nuclei/Cytoplasm : Red

**STORAGE AND STABILITY :** This product is stable for 36 months when stored in +15 /+25 C

**TROUBLESHOOTING :** Please contact Patolab Technical Support by e-mail ( patolab@patolab.com.tr ).