

## Alcian Blue PAS Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

This kit is used for the histochemical staining of sulphated and carboxylated acid mucopolysaccharides , and for carbohydrate radicles

**INTENDED USE :** IN VITRO DIAGNOSTIC USE

**DESCRIPTION :** This kit is used for the histochemical staining of sulphated and carboxylated acid mucopolysaccharides , and for carbohydrate radicles (e.g. Glycogen). The alcian blue and PAS technique combines to differentiate neutral mucins from acidic mucins. It is used as a broad spectrum stain for mucins a lack of staining with the combined PAS stage indicates the substance is not mucin

**SPECIMEN COLLECTION :**

All standard buffered formalin fixatives are acceptable. Any type of section is acceptable.

REAGENTS :	150 TEST	1000 TEST	2000 TEST
Alcian Blue 1% in 3% Acetic Acid (pH 2.5)	1x 50ml	1x 500ml	1x 1000ml
Periodic Acid Solution 1%	1x 50ml	1x 500ml	1x 1000ml
Haemalum Mayer	1x 50ml	1x 500ml	1x 1000ml
Schiff reagents (Feulgen)	1x 50ml	1x 500ml	1x 1000ml

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

CATALOG NO :	PLKit6-150	PLKit6-1000	PLKit6-2000
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**MICROBIOLOGICAL STATE :** This product is not sterile.

**PROCEDURE TIME :** Approximate 60 minute.

- PROTOCOL :**
1. Dewax sections, hydrate through alcohols and rinse in tap water
  2. Stain in Alcian blue for 30 minutes
  3. Wash well in distilled water
  4. Treat with periodic acid 1% solution for 5 minutes
  5. Wash well with distilled water
  6. Treat with Schiff reagent for 20 minutes
  7. Wash in running tap water for 5-10 minutes (sections should macroscopically be pink/magenta in colour)
  8. Stain sections in haemalum Mayer for 1 minute
  9. Rinse in %0,5 acid alcohol 1 second, wash well in running water 30 seconds.
  10. Air dry, %100 alcohol, clear in Xylene and mount.

**RESULTS :**

Acid mucins (sulfomucins and sialmucins)	Blue
Mixtures of both	Purple
Neutral mucins, Glycogen, various glycoproteins	Red
Proteoglycans and hyaluronic acid	Blue
Nuclei	Pale Blue

**STORAGE AND STABILITY :** This product is stable for 36 months when stored in +2 / +8 C

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