

Congo Red (Highman) Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

This kit is used for the detection of Amyloid Protein in Tissue Sections using Congo Red, a meta-chromatic stain.

INTENDED USE : IN VITRO DIAGNOSTIC USE

DESCRIPTION : This kit is used for the detection of Amyloid Protein in tissue sections. This aqueous solution of Congo Red has a greater affinity for amyloid. By using alkaline alcoholic solvents as in this technique it has the effect of suppressing the electrochemical staining of other tissue components. It enhances hydrogen bonding and hence improves selectivity for amyloid. This method has stable solutions and has a high degree of selectivity.

SPECIMEN COLLECTION :

A standard formaldehyde based fixative provides satisfactory results. Do not use on archival material beyond 1 year old. Fresh paraffin sections are preferable cut at 5 microns.

REAGENTS : **150 TEST**

Congo Red in 50% ethanol	1x 50ml
Haemalum Mayer	1x 50ml
0.2% Potassium Hydroxide in 80% ethanol	1x 50ml

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

CATALOG NO : PLKit10-150

MICROBIOLOGICAL STATE : This product is not sterile.

PROCEDURE TIME : Approximate 30 minute.

PROTOCOL :

1. Dewax sections, hydrate through alcohols and rinse in tap water
2. Place in filtered congo red solution for 15 minutes
3. Differentiate in Potassium Hydroxide Solution for 10-20 seconds
4. Wash well in tap water
5. Stain nuclei with haemalum Mayer for 5 minutes
6. Wash well in water
7. Differentiate in 1% acid alcohol for 1 second.
8. Wash well in water
9. Blue in Scotts tap water
10. Wash well in tap water
11. Dehydrate in %100 alcohol , clear in xylene and mount.

RESULTS :

Nuclei: Blue

Eosinophils, Amyloid, Elastin, Keratin: Orange-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).