Luxol Fast Blue Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

This is for staining of myelin/myelinated axons on formalin-fixed, paraffin-embedded brain and spinal cord tissue sections, as well as frozen sections.

INTENDED USE : IN VITRO DIAGNOSTIC USE

DESCRIPTION :
This kit is used to demonstrate the presence of normal myelin. When combined with a cresyl violet counterstain myelin and nissl substances are demonstrated.

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

REAGENTS :	**150 TEST**
Luxol Fast Blue in Acidified Methanol	1x 50ml
Cresyl Violet 0.5% Aqueous Solution	1x 50ml
Lithium Carbonate Solution 0.05%	1x 50ml
Cresyl Violet Differentiator (IMS 99%)	1x 50ml
Denatured Ethanol 70%	1x 50ml

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

CATALOG NO : **PLKit345-150**

MICROBIOLOGICAL STATE : This product is not sterile.

PROCEDURE TIME : Approximate 140 minutes.

PROTOCOL :
1. Dewax sections, hydrate to 95% alcohol, do not rinse in water
2. Stain in luxol fast blue solution for 2 hours at 60°C or at 37°C overnight
3. Wash in 70% denatured ethanol for 2-3 seconds to remove excess stain
4. Wash in tap water
5. Differentiate using lithium carbonate solution until the grey and white matter are distinguished.
6. Wash in tap water
7. Check differentiation under the microscope. Repeat step 5 if necessary
8. Stain in cresyl violet solution for 10-12 minutes
9. Wash in tap water
10. Differentiate in cresyl violet differentiator for 4-8 seconds
11. Check differentiation under microscope (only look at nissl substances and nuclei)
12. Dehydrate, clear and mount

RESULTS :

Myelin:	Blue/Green
Nuclei, Nissl Substances:	Violet/Pink

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).

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