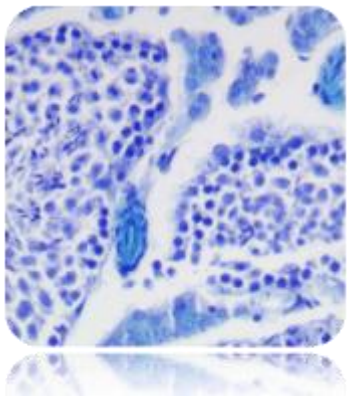
Luxol Fast Blue Stain Kit

Description: The Luxol Fast Blue Stain Kit is designed for staining myelin/myelinated axons and Nissil substance on formalin fixed, paraffin-embedded tissue as well as frozen tissue. This product is used for identifying the basic neuronal structure in brain or spinal cord sections.

Uses/Limitations:
Not to be taken internally.
For In-Vitro Diagnostic use only.
Histological applications. Do not use if reagents become cloudy.
Do not use past expiration date.
Use caution when handling reagents. Non-Sterile.

Control Tissue: Cerebral Cortex
Spinal Cord



Results:

Myelinated Fibers:	Blue
Nissil Substance:	Violet
Nerve Cells:	Violet

Kit Contents:

Item #	Kit Contents	Volume	Storage
SSC-CEA125	Cresyl Echt Violet Solution	125 ml	2-8° C
SSC-LFB125	Luxol Fast Blue Solution	125 ml	18-25°C
SSC-LCQ500	Lithium Carbonate Solution (0.05%)	500 ml	18-25°C
SSC-EAS500	Alcohol, Reagent (70%)	500 ml	18-25°C

Mixed Storage Conditions. Separate Contents

For information regarding ordering individual components, please contact us at: 800-442-3573.

Precautions:
Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Procedure:

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Incubate slide in Luxol Fast Blue Solution for 24 hours at room temperature or 2 hours at 60°C.
3. Rinse thoroughly in distilled water.
4. Differentiate section by dipping in Lithium Carbonate Solution (0.05%) several times (up to 20 seconds).
5. Continue differentiation by repeatedly dipping in Alcohol, Reagent (70%) until gray-matter is colorless and white-matter remains blue.
6. Rinse slide in 2 changes of distilled water.
7. Incubate slide in Cresyl Echt Violet (0.1%) for 2-5 minutes.
8. Rinse quickly in 1 change of distilled water.
9. Dehydrate quickly in 3 changes of absolute alcohol.
10. Clear as desired and mount in synthetic resin.

References:

1. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH. Page 262-264. 1980
2. Kluver, H., Barrera, E.A. A Method for the combined staining of cells and fibers in the nervous system. Journal of Neuropathology and Experimental Neurology, 1953, 12: pages 400-403.

Lot-to-Lot Validation Form
Luxol Fast Blue Stain Kit Catalog: SSK-LUXOL

Kit Lot Number: _____

Kit Expiration Date: _____

Date Tested: _____

Control Tissue (#) _____

Approved for Use: Y/N _____

Date put into use:

If not approved, corrective actions taken:	

Approved by: _____

Kit Component	**Lot #**
Cresyl Echt Violet Solution	
Luxol Fast Blue Solution	
Lithium Carbonate Solution (0.05%)	
Alcohol, Reagent (70%)	

Replacement Component if used	Replacement Date	Lot #	Accepted Y/N	Comments
Cresyl Echt Violet Sol.				
Luxol Fast Blue Solution				
Lithium Carbonate (0.05%)				
Alcohol Reagent (70%)				
Approved By:				

StatLab is providing this form to assist with reagent lot validation as stated in CLIA'88 Standard 493.1256-For reagent(s), the laboratory must do the following: Check each batch (prepared in-house), lot number (commercially prepared) and shipment of reagents, stains, and identification systems (systems using two or more substrates or two or more reagents, or a combination) when prepared or opened for positive and negative reactivity, if applicable.