

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.

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

Uses/Limitations: For In-Vitro Diagnostic use only.
 Histological applications.
 Do not use past expiration date.
 Use caution when handling these reagents.

Control Tissue: Cerebral Cortex
 Spinal Cord


Availability/Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
CEA125	Cresyl Echt Violet Solution	125 ml	2-8° Centigrade
LFB125	Luxol Fast Blue Solution	125 ml	Room Temperature
LCQ500	Lithium Carbonate Solution (0.05%)	500 ml	Room Temperature
EAS500	Alcohol, Reagent (70%)	500 ml	Room Temperature

Precautions: Avoid contact with skin and eyes.
 May cause burns.
 Harmful if swallowed.
 Follow all Federal, State, and local regulations regarding disposal.
 Use in chemical fume hood whenever possible.

Procedure (Standard):

Storage: 2° C  25° C
Mixed Storage Conditions.
Separate Contents.

 ScyTek Laboratories, Inc.
 205 South 600 West
 Logan, UT 84321
 435-755-9848
 U.S.A.

CE Authorized Representative in Europe
 (Regulatory affairs only)
 EmergoEurope (31)(0) 70 345-8570
 Molsnstraat 15
 2513 BH Hague, The Netherlands

Instructions For Use LBC-1-IFU

Rev. Date: Sept. 18, 2009

Revision: 2


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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com


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 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.

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