

# Instructions For Use KT022-IFU

Rev. Date: Dec. 12, 2018

Revision: 7

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## Luxol Fast Blue Stain Kit

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

Myelinated Fibers: Blue  
Nissl 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>Kit Contents</u>                | <u>Volume</u> | <u>Storage</u> |
|------------------------------------|---------------|----------------|
| Cresyl Echt Violet Solution        | 125 ml        | 2-8°C          |
| Luxol Fast Blue Solution           | 125 ml        | 15-30°C        |
| Lithium Carbonate Solution (0.05%) | 500 ml        | 15-30°C        |
| Alcohol, Reagent (70%)             | 500 ml        | 15-30°C        |

**Precautions:** This product is a single-use, non-sterile, in vitro diagnostic device.  
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):

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. If needed, continue differentiation by repeatedly dipping in Alcohol, Reagent (70%) until gray-matter is colorless and white-matter remains blue.



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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.



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