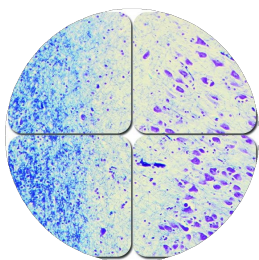


MasterTech S²Stain Kit Instructions for Use



Luxol Fast Blue

Kit Item # QS2-LFB

The Luxol Fast Blue stain kit is used to identify myelin sheath and Nissl substance. Both Luxol Fast Blue and Cresyl Echt Violet serve as primary stains, producing vibrant blue myelin fibers, with dark blue Nissl substances and blue nuclei.

INCLUDES COMPONENTS	Item #	Vials Included
Luxol Fast Blue Stain	STLFB-SF-15	4 vials (15mL)
Cresyl Echt Violet Stain	AHC04-SF-15	1 vial (15mL)
Lithium Carbonate, 0.05%	KC26-15	1 vial (15mL)
Reagent Alcohol, 70%	ALREA70-15	2 vials (15mL)
Dewax Solution	S001-15	1 vial (15mL)
Reagent Alcohol 100%	6900-15	1 vial (15mL)

STORAGE AND STABILITY

Store components at room temperature. When properly stored, the reagents are stable to the date indicated on the label.

RESULTS

Myelin Fibers: Blue to turquoise

Nissl Substance: Purple to violet

Nuclei: Purple to violet

Intended for *in-vitro* use by laboratory professionals.

Each kit will stain approximately 50 slides.

SPECIMEN PREPARATION

Appropriately fixed, paraffin-embedded, 8-10µm tissue section.

CONTROL TISSUE

Cerebellum

DILUTION AND MIXING

All solutions in the kit are ready-to-use. No further dilution is required.

LIMITATIONS AND PRECAUTIONS

For use by laboratory professionals. See SDS for complete warnings, precautions, hazard and precautionary statements, and disposal information. Do not use if reagents become cloudy. Do not use past expiration date.

NOTES

For possible customizations, staining protocol information, or troubleshooting, please contact the Technical Support Department at StatLab by emailing tech@StatLab.com or calling 1-800-442-3573 ext. 106

INSTRUCTIONS FOR USE

- 1 Press **Prepare Labels** to prepare slide labels, and affix labels to slides.
- 2 Place and secure blue staining chambers in respective module lids.
- 3 Insert labeled slides on the modules and press **Scan Slides**.
- 4 Press **Scan Reagents** to display the required reagent names and volumes (number of tests).
- 5 Place Luxol Fast Blue Stain Kit vials onto the Reagent Rack and remove caps from vials.
- 6 Press **Scan Reagents** to start the staining process.

Use stains and reagents when they are at room temperature. Tissue sections should be placed in proper area of the microscope slide for best results. Check the level of bulk deionized water before stain run to ensure proper volumes are used for optimal staining results. Replace caps on the vials when not using to minimize solution evaporation or other variables. The blue chambers must be cleaned after each use with Quantum Chamber Cleaning Solution for 20-30 minutes followed by a thorough deionized water rinse. Allow to air dry before next use.

MATERIALS REQUIRED BUT NOT SUPPLIED

- 1 Control tissue (CSC0825P)
- 2 Blue Staining Chambers (QHD-CH200-10)
- 3 QS2 Cleaning Kit, Standard Special Stains (Alcohol) (QS2-CLN)
- 4 Quantum Chamber Cleaning Solution (QHD-QCS-1)

STATLAB QUANTUM S2 STAINER

Run more stains with the StatLab Quantum S2 Slide Stainer, a fully-automated slide staining system. This universal system is designed to automate the manual staining methods routinely used in special stains and related applications. Its user-friendly programming and flexible platform allow for easy user interface. The StatLab MasterTech S2 Stain Kits are to be used exclusively on the Quantum S2 Slide Stainer, and no

other reagents should be used other than those provided in the kits or specified as they may damage the platform.

REFERENCES

1. SHEEHAN DC HRAPCHAK BB: THEORY AND PRACTICE OF HISTOTECHNOLOGY; 1980, 190.
2. A.F.I.P. LABORATORY METHODS IN HISTOTECHNOLOGY: 1992, 132 - 133.
3. WITH MODIFICATIONS BY AMTS R&D DEPARTMENT, 1979-2018.

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