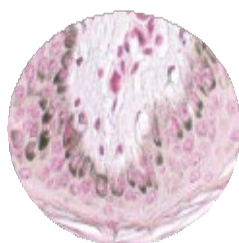


MasterTech S² Stain Kit Instructions for Use



Fontana-Masson

Kit Item # QS2-FONMAS

Stain for argentaffin cells and melanin. Argentaffin cells possess the ability to bind and reduce silver to a visible metal without requiring a reducing agent, allowing this stain to be performed with fewer steps than other silver stains. An Ammoniacal Silver Working Solution serves as the primary stain, producing brown to black melanin granules against a pink to red background counterstained by Nuclear Fast Red.

INCLUDES COMPONENTS	Item #	Vials Included
Dewax Solution	S001-15	1 vial (15mL)
Working FM Ammoniacal Silver Solution	WFMAS-15	2 vials (15mL)
Gold Chloride, 0.1%	AHG02-15	1 vial (15mL)
Sodium Thiosulfate, 5%	AHS03-15	1 vial (15mL)
Nuclear Fast Red Stain	STNFR-SF-15	2 vials (15mL)
Reagent Alcohol, 100% (DA)	D6900-15	1 vial (15mL)

*Not all vials of this solution are required to be loaded on the QS2 instrument for each run. Each reagent component noted as * contains solution for a reduced number of tests to ensure the highest level of staining quality and consistency possible. If multiple vials are required for the particular number of slides being stained, the QS2 instrument will notify you prior to beginning the staining sequence.

STORAGE AND STABILITY

Store Working FM Ammoniacal Silver and 0.1% Gold Chloride components at 2-8°C. Do not freeze. All other components can be stored at room temperature. The reagents must be returned to storage conditions immediately after use. When properly stored, the reagents are stable to the date indicated on the label.

RESULTS

Melanin and Argentaffin: Brown to Black
Nuclei: Pink
Intended for *in-vitro* use by laboratory professionals.
Each kit will stain approximately 50 slides.

SPECIMEN PREPARATION

Appropriately fixed, paraffin-embedded, 3-5µm tissue section.

CONTROL TISSUE

Hair, skin for melanin, small intestine for argentaffin.

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 metal forceps, racks, or tools with the silver solution. Do not use past expiration date.

NOTES

For possible customizations, staining protocol information, or

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Page 1 of 2

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 Fontana-Masson 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 section should be placed in proper area of 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.

Note: The Fontana Masson Kit requires a tube cleaning cycle after each use (QS2-SILVERCLN).

MATERIALS REQUIRED BUT NOT SUPPLIED

- 1 Control tissue (CSS0825P)
- 2 Blue Staining Chambers (QHD-CH200-10)
- 3 Tube Cleaning Kit (For Silver Stains) (QS2-SILVERCLN)
- 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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Page 2 of 2

