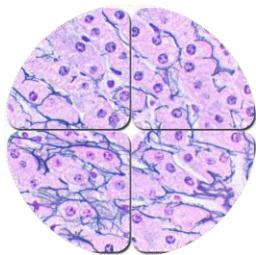


MasterTech S² Stain Kit Instructions for Use



Reticulum

Kit Item # QS2-RETIC

The Reticulum Stain Kit is used to identify reticulum fibers. This stain is often performed during the differential diagnosis of various types of tumors or liver disease.

INCLUDES COMPONENTS	Item #	Vials Included
Dewax Solution	S001-15	1 vial (15mL)
Potassium Permanganate	PP05-15	1 vial (15mL)
Sulfuric Acid, 3%	KC115-7	1 vial (7mL)
Potassium Metabisulfite, 3%	KC392-15	1 vial (15mL)
Ferric Ammonium Sulfate, 2.5%	AHF02-15	1 vial (15mL)
Working Retic Ammoniacal Solution	WRAS-7	5 vials* (7mL)
Formalin, 20%	KC394-15	1 vial (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	1 vial (15mL)
Reagent Alcohol, 100%	6900-15	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 components at 2-8°C. Do not freeze. The reagents must be returned to storage conditions immediately after use, especially the Working Retic Ammoniacal Silver Solution. When properly stored, the reagents are stable to the date indicated on the label. Use care when using Working Retic Ammoniacal Silver Solution. Store this solution in the refrigerator to avoid the formation of explosive compounds. If Ammoniacal Silver is exposed to sunlight, it may explode. Dispose of waste observing all local, state, and federal laws.

RESULTS

Reticulum fibers: Gray to black Nuclei:

Pink to red

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

Liver

DILUTION AND MIXING

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

required.

LIMITATIONS AND PRECAUTIONS

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 Do not use past expiration date.

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 Reticulum 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 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 each use.

Note: The Reticulum Kit requires a tube cleaning cycle after each use (QS2-SILVER-CLN).

MATERIALS REQUIRED BUT NOT SUPPLIED

- 1** Control tissue (CSR0125P, CS-RETIC/25)
- 2** Blue Staining Chambers (QHD-CH200-10)
- 3** Quantum Chamber Cleaning Solution (QHD-QCS-1)
- 4** Tube Cleaning Kit (For Silver Stains) (QS2-SILVER-CLN)

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

STATLAB QUANTUM S2 STAINER

Run more stains with the StatLab Quantum S2 Slide Stainer, a fully automated slide staining system with the broadest stain portfolio available. 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