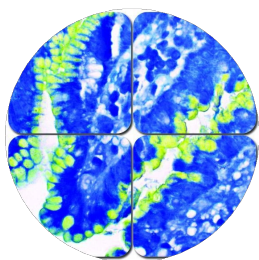


MasterTech S² Stain Kit Instructions for Use



HelicoStat – Rapid Helicobacter

Kit Item # QS2-HST

The HelicoStat Stain Kit stains for Helicobacter pylori, using Toluidine Blue and Alcian Blue for an excellent contrast between the organism and mucin.

INCLUDES COMPONENTS	Item #	Vials Included
Dewax Solution	S001-15	1 vial (15mL)
Periodic Acid, 1%	AHP09-15	1 vial (15mL)
Sodium Metabisulfite Solution	KC374-15	1 vial (15mL)
Alcian Yellow	KC373-SF-15	1 vial (15mL)
Deionized Water	SL30-15	1 vial (15mL)
Toluidine Blue Stock	KC372-SF-15	1 vial (15mL)
Sodium Hydroxide, 3%	AHS06-7	1 vial (7mL)
15ml Clear Vial with Cap	PC750-100	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

H. Pylori: Blue
Background: Shades of blue
Mucin: Yellow

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

Helicobacter pylori

DILUTION AND MIXING

Most of the solutions in the kit are ready-to-use. The on-rack mixing feature on the Quantum S2 Slide Stainer will mix the Working Toluidine Blue Solution (Toluidine Blue Stock, Sodium Hydroxide Solution, and Deionized Water).

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 HelicoStat Stain Kit vials onto the Reagent Rack and remove caps from vials.
- 6 Use the **clean empty vial in Position 40** for on-rack mixing. Make sure this vial is removed from the stainer after the stain run and is appropriately cleaned after each use.
- 7 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.

MATERIALS REQUIRED BUT NOT SUPPLIED

- 1 Control tissue (CSH0125P, CS-HELI/25)
- 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)

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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.