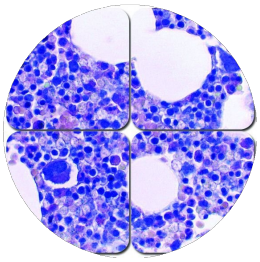
MasterTech S^2 *Stain Kit Instructions for Use*



Optimized Giemsa

Kit Item # QS2-GIEM

The Optimized Giemsa Stain Kit restores metachromatic qualities of the Giemsa Stain through the development of a specially formulated Giemsa buffer. This stain is used to identify bone marrow and helicobacter pylori.

INCLUDES COMPONENTS	Item #	Vials Included
Dewax Solution	S001-15	1 vial (15mL)
Optimized Giemsa Buffer	BUG10-15	4 vials (15mL)
Giemsa Stain Stock	STGIE-SF-7	1 vial (7mL)

STORAGE AND STABILITY

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

RESULTS

Nuclei: Blue to violet
Rickettsias: Intense reddish-purple
Cytoplasm: Light blue
Collagen and muscle: Pale pink
Erythrocytes: Gray, yellow, or pink
Helicobacter: Blue
Toxoplasma gondii: Blue

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

Bone marrow, H. pylori, mast cells, toxoplasma gondii

DILUTION AND MIXING

Most of the solutions in the kit are ready-to-use. The on-slide mixing feature on the Quantum S2 Slide Stainer will mix the working Giemsa Stain solution (Giemsa Stain Stock and Optimized Giemsa Buffer).

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 Optimized Giemsa Stain Kit vials onto the Reagent Rack and remove caps from vials.
6. Press **Scan Reagents** to start the staining process.

MATERIALS REQUIRED BUT NOT SUPPLIED

1. Control tissue (CSB0325P, CSH0125P, CSM0125P, CST0325P)
2. Blue Staining Chambers (QHD-CH200-10)
3. Quantum Chamber Cleaning Solution (QHD-QCS-1)
4. QS2 Cleaning Kit, Standard Special Stains (Alcohol) (QS2-CLN)

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 next use.

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

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specified as they may damage the platform.

REFERENCES

1. Sheehan DC Hrapchak BB: Theory and Practice of Histotechnology; 1980, 190.
2. With modifications by AMTS R&D Department, 1979-2018.

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