

MAYER'S HEMATOXYLIN

CATALOG ID	DESCRIPTION
CS001-CD	100 mL Ready-to-use
CS001-DD	500 mL Ready-to-use

INTENDED USE

BioMarq Mayer's Hematoxylin is intended for *In vitro* diagnostic visualization of cellular nuclei in tissue sections and cellular preparations. The results using this product should be interpreted by a qualified pathologist in conjunction with the patient's relevant clinical history, other diagnostic tests and proper controls.

PRODUCT DESCRIPTION

BioMarq Mayer's Hematoxylin stains cell nuclei and has wide applications in histology, the most common of which are the Hematoxylin and Eosin stain, Immunohistochemistry, insituhybridization and Special stains. BioMarq Mayer's Hematoxylin is free from mercury based oxidizing agents and also do not contain chloral hydrate a controlled substance. The positively charged aluminum-hematein chelates combine with the negatively charged phosphate groups of nuclear chromatin to form a distinct blue-purple color. The low dye concentration of this stain will provide excellent contrast and no masking of the antibody reaction in IHC procedures. Stabilizers present in the formulation prevent sheen or scum formation and ensure long term storage with control rate of nuclear staining.

RECOMMENDED PROTOCOL

During Hematoxylin step stain sections with BioMarq Mayer's Hematoxylin for 5 minutes. Rinse with wash buffer twice. Rinse with DI water. If required, blue in bluing reagent. Rinse with DI water

STORAGE AND STABILITY

Store at Room Temperature. Do not refrigerate. Not to be used beyond the expiration date prescribed on label.

QUALITY CONTROL

For Quality Control purpose, each lot of Mayer's Hematoxylin is tested by H&E staining and immunohistochemistry using BioMarq's Primary Antibodies, Reagents and Detection Kit.

TECHNICAL NOTE

Filter product with a 0.4 micron filter if particulate is seen.

Follow general good practice for storage of dye solutions. Keep stock solutions in the dark at room temperature. Tightly cap the reagent bottle after each use. To minimize air oxidation of hematoxylin and thereby extend the shelf life of the solution allow little or no air-space. Continued usefulness of hematoxylin solution is best tested microscopically.

Follow the recommended protocol specified in the data sheet of BioMarq. If atypical results occur, contact BioMarq Technical Support at 040-29702960.

PRECAUTIONS

Specimens should be handled carefully before and after the assay to avoid transmission of infection and disposed of with proper precautions

For detailed safety information related to BioMarq Products, please refer to appropriate safety data sheets (SDS) available online at www.biomarq.net

REFERENCES

1. Bancroft JD and Stevens A. Theory and Practice of Histological Techniques. 4th Edition. Churchill Livingstone, New York. 1996.