

GOMORIS TRICHROM BLUE STAIN KIT (SS007-25)

INTENDED USE

BioMarq Gomori's Trichrome Blue Stain Kit is used for *in vitro* diagnostic use. Gomori's stain is the differentiating stain for muscle and connective tissue. This procedure is useful in the assessment of the degree of fibrosis in liver biopsies. 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

Gomori's Trichrome stain is used to test for certain forms of mitochondrial myopathy. The staining procedure involves the staining of cytoplasmic fibers and Connective tissue with mordant (phosphotungstic acid), collagen stained by Chromotrope 2R and hematoxylin stain nuclei. The stain quality is improved by Bouin's solution (a fixative).

KIT CONTENTS

Bouin's Solution (SS026-8D)	1X8ml
Celestin Blue (SS027-8D)	1X8ml
Mayer's Hematoxylin (SS007-8D)	1X8ml
Gomori's Blue Trichrome (SS028-8D)	1X8ml

MATERIALS REQUIRED BUT NOT PROVIDED

Microscope slides
 Xylene/ Xylene substitute
 Reagent alcohol/Ethanol
 Deionized or distilled water
 SS Wash Solution (Catalog No WB005-DC)
 Positive Control Slides
 Mounting Solutions

STORAGE AND STABILITY

Store at 2-8°C. Do not freeze. Not to be used beyond the expiration date prescribed on label.

SPECIMEN PREPARATION

Fixation: 10% NBF or Carnoy's fixative.

Paraffin Sections: Cut sections at 4-5 microns.

RECOMMENDED PROTOCOL

Deparaffinize with xylene/ xylene substitute and rehydrate through graded alcohols to deionized water. Wash the slide with SS Wash Solution for 3 times.

Stain the slides with 300ul of Bouin's solution for 30min. Wash the slides with SS Wash Solution for 3 times.

Stain the slides 300ul of Celestin Blue solution for 5min. Wash the slides with SS Wash Solution for 3 times.

Stain the slides 300ul of Mayer's Hematoxylin solution for 5min. Wash the slides with SS Wash Solution for 3 times.

Stain the slides with 300ul of Gomori's blue Trichrome solution for 15 mins. Wash the slides with SS Wash Solution for 3 times.

Dehydrate clear in xylene or its substitute & mount the slides with BioMarq XY-Mount (Catalog No MS002) or using BioMarq T-Mount (Catalog No MS003).

TECHNICAL NOTE

Bring all reagents to RT before use

Gently invert all reagents prior to use

Thickness of section may affect the intensity of staining

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Users can also procure the Positive Control Slides available from BioMarq for their Quality Control purpose

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

RECOMMENDED CONTROL

INTESTINE AND FALLOPIAN TUBE

STAINING INTERPRETATION

Muscle fibers - Red

Collagen - Blue

Nuclei - Blue black.

For image please visit our web site www.biomarq.net

PRECAUTIONS

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

When working with Special Stain chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles

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

REFERENCES

1. Gomori G, (1950), *Am. J. Clin. Path.*, **20**, 665
2. Sweat F., Meloan S.N., and Puchtler H. (1968) A modified one-step trichrome stain for demonstration of fine connective tissue fibers. *Stain Tech* 43: 227-231.
3. Giang TT et al, Tissue diagnosis of intestinal microsporidiosis using the chromotrope-2R modified trichrome stain, *Archives of Pathology & Laboratory Medicine*, 1993 Dec 01.