

FAST GREEN F.C.F., powder dye, C.I. 42053

IVD *In vitro* diagnostic medical device CE

Food Green 3, Solid Green F.C.F, 1724 Green, BSC certified dye
For counterstaining according to Gomori and Masson trichrome methods

INSTRUCTIONS FOR USE

REF Catalogue number: FG-P-25 (25 g)

Introduction

Histology, cytology and other related scientific disciplines study the microscopic anatomy of tissues and cells. In order to achieve a good tissue and cellular structure, the samples need to be stained in a correct manner. Fast Green F.C.F. dye is used for staining connective tissues and as counterstain in methods that result in dark blue, purple and red stained structures. It is remarkably well soluble in water, but much less in alcoholic solutions. Fast Green F.C.F. is used in several trichrome methods, such as methods acc. to Gomori or Masson. It is used as a substitute for Light Green SF dye in Papanicolaou staining methods and in histochemical staining.

Product description

- FAST GREEN F.C.F.** - Biological Stain Commission (BSC) certified powder dye for preparing microscopic identification of connective tissues.

Other preparations and reagents used in preparing the dye solution:

- Glacial acetic acid (CH₃COOH)

Preparing the solutions for staining

1% acetic acid solution:

- Cautiously stir 495 ml of distilled or demineralized water with 5 ml of glacial acetic acid.

0.1% solution of Fast Green F.C.F. dye:

- Dissolve 0.1 g of Fast Green F.C.F. powdered dye in 100 ml of 1% acetic acid.

Result

Nuclei - black
 Cytoplasm - red
 Collagen - green
 Muscles - red

Note

The mentioned formulation is only one of the ways of preparing the dye solution. Fast Green F.C.F. dye is the most commonly used dye in the Gomori and Gomori methods. Depending on personal requests and standard laboratory operating procedures, the dye solution can be prepared according to other protocols.

Preparing the sample and diagnostics

Use only appropriate instruments for collecting and preparing the samples. Process the samples with modern technology and mark them clearly. Follow the manufacturer's instructions for handling. In order to avoid mistakes, the staining procedure and diagnostics should only be conducted by authorized and qualified personnel. Use only microscope according to standards of the medical diagnostic laboratory. Both positive and negative controls are recommended before applying.

Safety at work and environmental protection

Handle the product in accordance with safety at work and environmental protection guidelines. Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines. Chemicals used in this procedure could pose danger to human health. Tested tissue specimens are potentially infectious. Necessary safety measures for protecting human health should be taken in accordance with good laboratory practice. Act in accordance with signs and warnings notices printed on the product's label, as well as in BioGnost's material safety data sheet which is available on demand.











Storing, stability and expiry date

Keep Fast Green F.C.F. powder dye in a tightly closed original package at temperature between 15°C and 25°C. Keep in dry places, do not freeze and avoid exposure to direct sunlight. Expiry date is stated on the product's label.

References

- Conn, J. (1977): Biological Stains, 9th ed., Baltimore: Williams and Wilkins Co.
- Kiernan, J. A. (2008): Histological and Histochemical Methods, Theory and Practice, 4th ed., Banbury: Scion Publishing Ltd.

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 Refer to the supplied documentation	 Storage temperature range	 Number of tests in package	REF Product code	 European Conformity
 Refer to supplied instructions	 Keep away from heat and sunlight	 Valid until	LOT Lot number	 Manufacturer
IVD For <i>in vitro</i> diagnostic use only	 Keep in dry place	 Caution - fragile		

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