

BIEBRICH SCARLET powder dye, C.I. 26905

IVD *In vitro* diagnostic medical device **CE**

Croceine Scarlet, Ponceau B, Ponceau BS, BSC certified powder dye For Masson Trichrome staining

INSTRUCTIONS FOR USE

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

Introduction

Histology, cytology and other related scientific disciplines study the microscopic anatomy of tissues and cells. In order to achieve good tissue and cellular structure visualization, the samples need to be stained in a correct manner. Biebrich Scarlet powder dye is a component of Shorr's solution used in hormonal cytodiagnostics for monitoring cyclic change in the ovarian activities. It is also used in trichrome staining methods in histopathology, such as staining collagen fibers according to Masson, where it is used as plasma dye instead of Fuchsin Acid dye. One of the properties of Biebrich Scarlet dyes is that they do not change color in wide pH value ranges, which enables alkaline solutions of this dye to be used for selective staining of extremely basic proteins.

Product description

- **BIEBRICH SCARLET** - Powder dye for making the solution for use in cytology and histopathology.

Preparing the solution for staining

1% solution of Biebrich Scarlet dye:

- Dissolve 1 g of Biebrich Scarlet dye (by mixing) in 100 ml of distilled/demineralized water.

Results after use in histopathology:

Collagen - blue

Results after use in cytology:

Cyanophilic cytoplasm (basophilic) - blue-green

Eosinophilic cytoplasm (acidophilic) - bright red

Nuclei - brownish-red

Note

The mentioned formulation is only one of the ways of preparing the dye solution. 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 Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines.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 Biebrich Scarlet 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. Stability period is 3 years. Expiry date is printed on the product's label.

References

1. Conn, J. (1977): Biological Stains, 9th ed., Baltimore: Williams and Wilkens Co.
2. 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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