

BISMARCK BROWN Y C.I. 21000

IVD In vitro diagnostic medical device **CE**

Bismark Brown Y, Vesuvine BA, BSC certified dye
For use in histopathology and cytology

INSTRUCTIONS FOR USE

REF Product code: BB-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. Bismarck Brown Y powder dye is used in various staining methods in microscopy.

It is a metachromatic dye used in histology for staining tissues, acid mucins, cartilage, and bones. It is also used in cytology. It is most commonly used as a counterstain to Gentian Violet.

Product description

- **BISMARCK BROWN-** Biological Stain Commission (BSC) certified powder dye for preparing the solution for use in histopathology and cytology.

Other preparations and reagents used in preparing the dye solution:

- Absolute ethanol (C₂H₅OH)
- Hydrochloric acid, 1% aqueous solution (HCl)

Preparing the dye solution

Bismarck Brown Y solution:

- Dissolve 0.5 g of Bismarck Brown Y dye in 80 ml of absolute ethanol
- Mix with 20 ml of hydrochloric acid, 1% aqueous solution

Result

Acid mucins - yellow

Note

The mentioned formulation is only one of the ways of preparing the dye solution. Bismarck Brown Y is most commonly used in exfoliative cytology and hematology. 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. In order to avoid an erroneous result, a positive and negative check is advised before application.

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 Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines.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.











Storing, stability and expiry date

Keep Bismarck Brown Y 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

1. Conn, J. (1977): Biological Stains, 9th ed. Baltimore: Williams and Wilkins Co.
2. Carson, F. L. (2007): Histotechnology, 2nd ed. Singapore.
3. Lillie, R.O. (1969): Biological Stains, 8th ed., Baltimore: Williams & Wilkins Co.

BB-P-25, V3-EN1, 31 August 2016, VR/IŠP

 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 in vitro diagnostic use only	 Keep in dry place	 Caution - fragile		

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