

ORANGE II powder dye, C.I. 15510

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

Acid Orange 7, BSC certified dye For counterstaining, replacement for Orange G

INSTRUCTIONS FOR USE

REF Catalogue number: O2-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. Orange II powder dye is intended for microscopy staining using different methods. It is most commonly known as cytoplasmic staining counterstain, and recently it has been used for quantitative histochemistry protein assessment. Although rarely, it is also used as a part of certain polychromatic dyes.

Product description

- **ORANGE II** - Counterstaining powder dye.

Other preparations and reagents used in preparing the dye solution:

- Phosphotungstic acid ($H_3PW_{12}O_{40} \cdot xH_2O$)
- Ethanol (C_2H_5OH)

Preparing the dye solution

Orange II dye solution:

- Dissolve 0.5 g of Orange II dye in 100 ml of ethanol.
- Add 0.015 g of phosphotungstic acid and continue stirring until it dissolves.

Results

Cytoplasm - red-orange

Note

The mentioned formulation is only one of the ways of preparing the dye solution. Orange II powder dye is most commonly used according to Bertalanffy. 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 Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines.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 the Orange II 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.

O2-P-25, V2-EN1, 30 September 2015, VR/IŠP

 Refer to the supplied documentation	 Storage temperature range	 Number of tests in package	REF Product code	CE 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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