

# NUCLEAR FAST RED powder dye, C.I. 60760

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



## Kernechtrot For staining nuclei red

### INSTRUCTIONS FOR USE

**REF** Product code: NF-P-5 (5 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. Nuclear Fast Red powder dye is used for staining nuclei. It is used for staining methods according to Perls, Dorling, for counterstaining with Reticulin contrast kit and many other special stains kits.

#### Product description

- **NUCLEAR FAST RED** - Powder dye for preparation of nuclear staining dye.

Other preparations and reagents used in preparing the dye solution:

- Potassium aluminum sulfate ( $KAl(SO_4)_2 \times 12 H_2O$ )

#### Preparing the solutions for staining

0.2% solution of Nuclear Fast Red dye:

- Dissolve 1 g of Nuclear Fast Red powder dye and 50 g of potassium aluminum sulfate in 500 ml of demineralized/distilled water.
- Boil for 5 minutes
- Cool and filter.

#### Results

Nuclei - 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 Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines.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 Nuclear Fast Red 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, 9<sup>th</sup> ed., Baltimore: Williams and Wilkens Co.

NF-P-5, V1-EN1, 11 March 2016, VR/IŠP

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

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