

# JANUS GREEN B powder dye, C.I. 11050

IVD In vitro diagnostic medical device CE

**Diazine Green, BSC certified dye**  
**For displaying mitochondria in live cell**

## INSTRUCTIONS FOR USE

REF Catalogue number: JG-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. Janus Green B powder dye is used for vital mitochondrial staining in live cells, and in histology it is used for detecting embrionic tissue and for counterstaining according to modified Ziehl-Neelsen method.

### Product description

- JANUS GREEN B** - Powder dye for preparation of solution for vital mitochondrial staining

### Preparing the solutions for staining

Dissolve 0.25 g of Janus Green B powder dye in 25 ml of distilled/demineralized water and filter.

### Results

Mitochondria - green

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 Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines.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

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

JG-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		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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