CRYOFIX GEL

IVD *In vitro* diagnostic medical device CE

Embedding medium for cryostat sectioning in different colors
INSTRUCTIONS FOR USE

REF Product code:	CF-100 (100 ml)	CryoFix Gel
	CFR-100 (100 ml)	CryoFix Gel pink
	CFP-100 (100 ml)	CryoFix Gel blue
	CFZ-100 (100 ml)	CryoFix Gel green
	CFY-100 (100 mL)	CryoFix Gel yellow

Introduction:

BioGnost's CryoFix is an appropriate viscosity medium for embedding frozen samples during the process of sectioning in a cryostat. It contains a mixture of resins and glycols soluble in water. Freezing temperature of the mixture is optimal for sectioning in a cryostat and it fits the freezing point of water (0°C). It is used for permeating tissues and forming blocks. That enables sections that can be stained using standard histological techniques. It is conveniently packed for easier handling. It is available in various colors.

Product description:

- **CRYOFIX GEL** - Embedding medium for cryostat sectioning in different colors

Other preparations and reagents that may be used:

- Fixative such as BioGnost's neutral buffered formalin: Formaldehyde NB 4%, Formaldehyde NB 10%
- High-quality glass slides for use in histopathology and cytology, such as VitroGnost SUPER GRADE or one of more than 30 models of BioGnost's glass slides
- VitroGnost cover glass, dimensions range from 18x18 mm to 24x60 mm

Preparing the sample for embedding

- Fixate the tissue sample well (Formaldehyde NB 4% or Formaldehyde NB 10%)
- Wash the sample thoroughly under a jet of water

Embedding the tissue sample into CryoFix Gel

- Embed the tissue sample into CryoFix Gel medium for embedding tissue samples for cryostat sectioning. Optimal cryostat sectioning temperature is -5 to -6°C for samples thicker than 15 μm. Thinner sections require lower temperature.

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.

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 Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines.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 CryoFix gel in a tightly closed original package at temperature of +15°C and +25°C. Do not keep in cold places, do not freeze and avoid exposing to direct sunlight. Date of manufacture and expiry date are printed on the product's label.

References

1. Carson, F. L., Hladik, C. (2009): *Histotechnology: A Self-Instructional Text*, 3rd ed., Chicago: ASCP Press
2. Gal, A. A., Cagle, P. T. (2005): *The 100-year anniversary of the description of the frozen section procedure*, JAMA, 294:3135-7.

CF-100, CFX-100, V8-ENV7, 05 July 2019, AK/IŠP

	Refer to the supplied documentation	°C	Storage temperature range	Σ	Number of tests in package	REF	Product code	CE	European Conformity		BIOGNOST Ltd. Medjugorska 59 10040 Zagreb CROATIA www.biognost.com
	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						

CE