

Fast Freeze Cryogel

PRODUCT INFORMATION:

REF

FFG01 Clear - 118ml

INTENDED USE

Laboratory Use Only:

Fast Freeze- Cryogel is a highly viscous, water-soluble embedding medium used for frozen tissue sections. The highly viscous solution prevents over spread of gel and easily miscible with water content in the tissue(s). It is widely used to secure and encapsulate tissue specimens for sectioning. The frozen sections are mainly used for rapid diagnosis of the lesion for intraoperative management, to know the extent of the lesion, to do enzyme immunocytochemistry and immunofluorescence study and also to stain lipid and certain carbohydrates in the tissue.

SUMMARY AND EXPLANATION

Cryosections are rapidly and relatively easy to prepare prior to fixation, and they provide a good system for visualizing fine details of the cell. Although cryosections are physically less stable than paraffin-embedded sections, they are generally superior for the preservation of antigenicity and therefore the detection of antigens by microscopy. In general, the sample is frozen quickly by placing the tissue sample in a slurry of an inert support medium such as, Fast freeze cryogel (optimal cutting temperature [OCT] medium) before freezing. Rapid freezing reduces ice crystal formation and minimizes morphological damage.

WARNINGS & PRECAUTIONS

- This product should be used by qualified and trained professional users only.
- Dispose of waste observing all local, state, provincial or national regulations.
- Do not use reagents after expiration date.
- Avoid ingestion, and contact with skin or eyes. Use protective clothing or laboratory aprons, while handling reagents.
- Not for use in humans or animals for clinical or diagnostic procedures.
- Inspect before use. Do not use if the solution is cloudy, discolored, or shows signs of contamination.

STORAGE AND HANDLING

Storage Recommendations:

- Store at room temperature.
- Place away from heat

When stored at the appropriate conditions, the cryogel is stable until expiry. Do not use the cryogel after expiration date provided on the bottle in any condition. The contents of the bottle should be used within 9 months from opening of the bottle.

RECOMMENDED PROTOCOL

1. Form a flat base layer using Cryogel on the surface of object holder, freeze.
2. Add additional compound to cover base layer.
3. Place specimen on top of base layer.
4. Add more medium to encapsulate and cover specimen.
5. Use heat extractor to freeze and form flat sectioning surface.

PRECAUTIONS

- Optimal cooling temperature must be set for proper freezing of the cryogel for sectioning.
- Avoid contact with eyes, skin, and clothing.
- Wear protective gloves.
- Wash hands thoroughly after handling

Laboratory Use Only

LIMITATIONS AND WARRANTY

1. This product is intended for use only by authorised, trained, and qualified personnel.
2. A qualified and trained pathologist/personnel must interpret the results of the test.
3. Interpretation of test results must be made in conjunction with relevant background information and additional laboratory findings.
4. Always use the recommended volume and concentration of reagents to ensure complete coverage of the tissue and to minimise the risk of false-positive or false-negative results.
5. Use appropriate buffers, instruments, consumables, and incubation conditions as recommended to achieve optimal performance.
6. Unexpected results may occur in untested tissues due to inherent variability in tissue components.
7. False-positive reactions may occur due to insufficient washing, inappropriate protocol conditions, or other contributing factors.
8. Maintain the product under the recommended storage conditions to preserve reagent stability and performance.
9. Do not use reagents that appear cloudy, discoloured, or show signs of contamination. Discard any components showing signs of deterioration.
10. This product is intended for single-use application only. Once applied to a tissue, reagents should not be recovered or reused, as this may compromise performance.
11. PathnSitu makes no warranties beyond those expressly stated in the product description.
12. PathnSitu shall not be liable for property damage, personal injury, time or effort, or economic loss arising from the use of this product.
13. Please refer to the complete datasheet for all instructions, precautions, and additional product limitations.

TROUBLESHOOTING

Refer to reagent-specific protocol recommendation according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at +91-40-2701 5544 or E-mail: techsupport@pathnsitu.com.

EXPLANATION OF SYMBOLS

LOT

Lot number / Batch number



Expiry



Manufacturer address



Storage limitation



Date of manufacture

REF

Catalogue number

RT Room Temperature