

Fast Freeze Cryogel

PRODUCT INFORMATION:

FFG01 Clear - 118ml

INTENDED USE

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.

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.

TROUBLESHOOTING

Follow the reagent specific protocol recommendations according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at 040-2701 5544 or techsupport@pathnsitu.com

LIMITATIONS AND WARRANTY

There are no warranties, expressed or implied, which extend beyond this description. PathnSitu is not liable for property damage, personal injury, or economic loss caused by this product.

EXPLANATION OF SYMBOLS

LOT- Lot number / Batch number

EXP - Expiry

Laboratory Use only