

Pathology Core Protocol



Protocol Section: General Procedures
Protocol Subject: Frozen fixed tissue preparation

Policy No: P-CMHD1-FFT-00
Effective Date:
Date Reviewed: 6 January 2003
Date Revised:

When there is a need for frozen sections but good morphology is needed, you can fix your tissue, cryopreserve in 30% sucrose and then embed in OCT and freeze in liquid nitrogen.

Fixative: Any aldehyde fixative

Solutions: 15% sucrose
30% sucrose

Method:

1. Fix tissue in an aldehyde fixative for the appropriate amount of time.
2. Place tissue in a solution of 15% sucrose overnight.
3. Then transfer the tissue in a 30% sucrose overnight.
4. Blot tissue very well with whatman filters until all moisture is removed
5. Place in a cryomold, fill with OCT ensuring no bubbles are present.
6. Cover cryomold with one layer of saran wrap and let it float on liquid nitrogen until frozen.
7. Store at -80°C until ready to cut frozen section.

Note: Sections must be placed on sialinated slides or commercial coated slides.
Air dry after thawing may also keep sections to adhere to the slides better.

Issued by Lab Manager: _____ **Date:** _____

Approved by Facility Management: _____ **Date:** _____