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UMN TMCs: Fresh Frozen Tissue Protocol

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BLS Histology .¹

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Cellular Senescence Net...



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Protocol status: Working

We use this protocol and it's working

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Abstract

Protocol from BLS Histology at University of Minnesota for processing snap frozen prospective surgically obtained tissue.

Guidelines

This protocol required prior approval by the users' local Institutional Animal Care and Use Committee (IACUC), Institutional Review Board (IRB) or equivalent ethics committee(s), depending on the source of the tissue.

Materials

PBS buffer

Cryovials

Liquid nitrogen bath

Before start

Prepare a liquid nitrogen bath large enough to hold a cryovial



Fresh Frozen Tissue

- 1 Tissue is received from surgical team and cut to a smaller size, ~1g
- 2 Tissue is placed in PBS buffer
- 3 When ready to freeze sample, remove tissue from PBS buffer and tap off excess buffer with a kimwipe
- 4 Tissue is placed in appropriately labeled cryovial
- 5 Snap freeze the cryovial in liquid nitrogen and store at -80°C