



Histology & Histomorphometry Core

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Frozen decalcified and undecalcified tissue submission instructions

Frozen fixed and decalcified tissue

-Dissect bone tissue in PBS and fix 24 hours (not over night) in 4% paraformaldehyde/PBS in 4°C with shaking. Fixative volume should be 20 times more than tissue volume.

Decalcification (if needed): proceed as per EDTA decalcification protocol.
After complete decalcification, rinse out in PBS 3X.

-Transfer bone tissue to 30% sucrose/PBS, overnight at 4°C, older bone tissue can be stored 2-3 days in 30% sucrose/PBS. Incubate in equal volume OCT/30% sucrose for overnight; embed bone in OCT with proper orientation.

-Submit samples to Histocore with electronic requisition form.

Undecalcified bone preparation for cutting with tape system

-Dissect bone in 1XPBS to avoid drying.

-For local customers, store sample in 1X PBS at 4°C for same day embedding. You need to contact Histocore before sending sample.

For shipping, remove excessive moisture from sample. Snap freeze in liquid nitrogen or in hexane on dry ice, store at -80°C and ship on dry ice.

-Do not embed undecalcified bone in OCT.