



SECTIONING FROZEN TISSUE

PROTOCOL FOR CUTTING FROZEN TISSUE WITH THE COMPRESSTOME®

Key to reading the protocol:

√ Rationale for procedural step

♠ Tips & Tricks

1. Take frozen tissue samples and thaw them in either ice-cold 10% formalin or 4% paraformaldehyde. Make formalin and paraformaldehyde using 1X PBS solution.
√ Thawing in fixation will help preserve the integrity and architecture of the tissue specimen.
♠ Do NOT thaw tissue specimens directly at room temperature. This will dry out your tissue sample.
2. Thaw tissue samples for at least 24 hours. Afterwards, samples should be stored at 4 °C.
3. Once tissue is thawed and fixed, continue with agarose embedding of the sample to use with the Compresstome® vibratome for sectioning tissue slices.
♠ Try a cutting speed of 1.5 and an oscillation of 3 for cutting fixed tissue samples, and then adjust accordingly.