



TISSUE SECTIONING

PROTOCOL FOR CUTTING SLICES OF EYE TISSUE

Key to reading the protocol:

√ Rationale for procedural step

♠ Tips & Tricks

1. Obtain eye tissue from animal of choice.
2. Immediately freeze in OCT and/or formalin fixed and embedded in paraffin.
3. Select a section of the eye tissue that you would like to take cut for slices.
4. Glue the tissue sample onto the Compresstome® specimen syringe.
5. Draw the syringe downward to bring the eye tissue core sample into the syringe.
6. Fill the syringe with 2% agarose (Sigma A-0701, low gelling point, incubated at ~37°C).
 - a. Order a Starter Kit or additional agarose or blades directly from our website at <http://www.precisionary.com/starter-kit> !
7. Cool the entire contents of the specimen syringe with the chilling block. The eye tissue is now embedded in agarose. The agarose will solidify enough for stable sectioning.
8. Load the specimen syringe onto the Compresstome® slicer.
9. The protocol is complete for preparing the lymph node for sectioning. Proceed from here with normal Compresstome® sectioning procedures.

References

*** Uses the Compresstome® for successful eye tissue slices.**

1. Bei F, Lee HHC, Liu X, Gunner G, Jin H, et al. Restoration of Visual Function by Enhancing Conduction in Regenerated Axons. Cell Online. 2017 July 20;88(164)1.