

Paraffin sample processing for mouse incisors

1. After dissecting the mouse incisor, wash the sample in 1XPBS.
2. Fix the samples in 10% Formalin O/N at RT or 4% PFA overnight at 4°C.
3. Wash the samples in 1XPBS. Decalcify in 10% EDTA at RT then proceed to step 4 for dehydration. The decalcification time is dependent on the stage of the incisor.
4. Dehydrate the samples in ascending concentration of ethanol solutions at RT following the order below.
 - a) 50% EtOH 1h.
 - b) 70% EtOH 1h.
 - c) 80% EtOH 1h.
 - d) 95% EtOH 1h.
 - e) 100% EtOH 1h.
 - f) 100% EtOH 1h.
5. Transfer the samples to Xylene, and incubate at RT for 1h.
6. Repeat step 5.
7. Transfer the samples to 100% paraffin wax and incubate in the paraffin wax at RT for 2h and 20min.
8. Repeat step 7.
9. Embed the samples in paraffin wax.