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.