Paraffin Tissue Preparation Protocol

1. **Dissect the tissues as quick as you can to maintain the best morphology.**
   Tissue needs to be dissected into smaller piece, no larger than 20 mm in diameter and 3 mm in thickness for sufficient penetration of chemicals.

2. **Tissue cassette**
   Label cassette properly with HB pencil. Put tissue into cassette and close cassette securely.

3. **Tissue fixation**
   Tissue needs to put into 10% neutral buffered formalin immediately. At least 15-20 volumes of formalin should be used for every volume of tissue. In general, tissue needs to stay in fixative for 6-24 hours at room temperature depending on the size and type of the tissue. It’s recommended to give 24-48 hours for fixation. Tissues containing Ca$^{2+}$ salt require proper decalcification after fixation.

4. **Post fixation**
   Tissue is transferred to 70% reagent alcohol after fixation and submitted to Histology Facility for Processing & Embedding.