Paraffin histology notes:

Tissue should be left in each infiltration step for an hour. In cassette for labeling and mounting later.

Paraffin infiltration should be done in vacuum.

Use paraffin for soft tissue – gets harder for slicing ease

Slice at 5um

Use rotary microtome for slicing

Dry slides in oven.

Embedding:

Make sure piece of tissue will fit in microtome at necessary angle.

Use any mold that will hold wax and fit tissue

Mount cassette to top of mold – this side of the mold will attach to the microtome (position tissue accordingly) – use enough wax to adhere to cassette

Cool embedded tissue on ice.

Gloria/Dr Rigatti run embedding center at least once per week. Run overnight for 14 hour infiltration process.

Other:

Frozen tissue…. Keep cryostat at -15 to -18C. Infiltration with OCT – mix OCT with 30% sucrose and gradually infiltrate (sink). Slice at 5-8um.

Need:

Microtome  
Blades  
Tissue bath  
Cassettes  
Vacuum oven