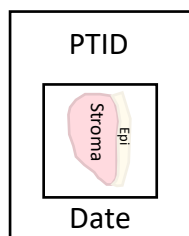


SOP: OCT embedding tissues (human)**Author:** Hayley Roozen**Date:** 2018-10-22**Reagents:**

- Dry ice
- 2-methylbutane (Fisher Bio 03551-4) – CHEMICAL HOOD
- Tissue-Tek OCT (Sakura 4583)
- Scalpel (Feather 5200030)
- Petri dish (Fisher FB0875713)
- Tissue cassette (Fisher 22-363-553)

Procedure:

1. Place a beaker in a styrofoam container containing dry ice, making sure that the ice surrounds the beaker walls.
2. Pour 2-methylbutane into the beaker and allow it to cool for >30 minutes prior to freezing tissue.
3. Using forceps place tissue piece to be embedded into petri dish and dry gently with paper towel
4. Place in a cassette containing OCT media, being careful to orient near the bottom of the cassette as shown



5. Using forceps lower the cassette into the cooled 2-methylbutane
 - a. Hold with only the bottom touching the 2-methylbutane
 - b. Watch for the OCT to turn white before lowering the entire cassette
6. After bubbles have ceased and block is entirely white remove the cassette with forceps
7. Store in -80°C