

## PROTOCOL: SOI INJECTIONS

1. Administer Ketamine mix IP
2. Shave the the mouse from the penis to the bottom of the rib cage. Prep the mouse first with betadine then 70% ETOH to sterilize the area of incision.
3. Make an transverse incision just below the belly button area, but above the prepuccial gland. Cut the skin layer then the muscle (~1cm).
4. Pull the bladder out of the opening (incision) then both seminal vessicles. Gently pull back the seminal vessicles with forceps without rupturing the seminal vessicles so that the dorsal prostate lobes are visible.
5. Using a Hamilton Syringe inject no more than 25 ul of cell solution into the dorsal lobe(s). Standard cell solution is 25% matrigel and 75% medium with cells (of total volume).
6. After injection is complete, put the bladder and seminal vessicles back into the body cavity.
7. With 4-0 sutures and clamp forceps, sew up the muscle lining (~3 stitches) until the opening is closed.
8. Using surgical clamps, clamp the top skin layer together (2-3 clamps) so that the skin layer is now closed. Try to get the sutured muscle into the clamps if can.
9. Put the mouse on a heating pad.
10. Inject the mouse SQ with 1ml of sterile saline behind the head (neck area).
11. Inject the mouse SQ with Banamine, .04 ml, (analgesic) before the animal is awake for pain. Inject in area of right flank.
12. Leave the mice (in cages) on the heating pad until awake and moving around. Before putting mice back on rack, check incisions.
13. Remove the surgical clamps 7-10 days after surgery with the clamp extractor.