

STANDARD OPERATING PROCEDURES
DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

SOP#: 422

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- d. 1-2x small hemostats
- e. Sterile saline (~100ml)

Tumor Harvest

1. The **day prior to** tumor harvest, prep (i.e., clip) the skin over the intended incision. Taking care to not injure the skin.
2. **While double gloved**, transfer the mouse to induction chamber and euthanize the mouse by isoflurane overdose and cervical dislocation.
3. On a benchtop, pour Oxivir solution into the container (i.e., typically 100

15. Lay dried mouse down on side of the Tegaderm/Bio-Occlusive drape, then press second piece down to seal entire mouse between the two films. Press gently along the edges to ensure good contact with skin and press out air.
16. **Away from the tumor site**, securely grasp the Tegaderm/Bio-Occlusive drape and the underlying skin, then using the **first pair of sterile scissors** cut the skin axial and or transverse to the spine. Put down the scissors.
17. Use fine tipped hemostats to blunt dissect the tumor away from the skin until the flap can be pulled completely away from the tumor. Using a new set of forceps, grasp the tumor from underneath and pull gently upwards. Normally the tumor will “pop” out, if not, use the 2nd pair of clean scissors to complete the dissection from the surrounding tissues.
18. Using **aseptic technique**, use this **second pair of sterile scissors and remaining clean forceps** (i.e., no previous contact with skin) to trim any remaining connective tissue away from the tumor.
19. Aseptically, remove the tumor and transfer the tumor to the 15 50 mL conical tube with sterile tissue culture media + Penicillin-Streptomycin.
20. If serially performing this procedure, forceps and scissors should be placed in the glass bead sterilizer for 15 seconds prior to re contact with tissue. To cool instruments prior to their contact with tumor tissue, dip them in the sterile saline bowl.
21. Re-implantation of tumors derived from mice contaminated with *Corynebacterium bovis* should be conducted in accordance with SOP 412 Rodent Surgery in a separate BSC remote from the area of derivation.

Approved:

Date: