

Amendment for VARI Vivarium Department Standard Operating Procedure

7.0 DESCRIPTION OF EXPERIMENTAL DESIGN

7.2 The potential routes of inoculation/implantation are:

- Surgical Injection of tumor/cyst cells to the kidney (see Section 9 for surgery details)

9.0 SURGERY

9.8 Surgical Inoculation to the kidneys:

Following anesthetization, the abdominal region is cleaned with 70% alcohol. A small left abdominal flank incision will be made and the kidney exteriorized. Tumor/cyst cells (5×10^6 cells in 0.2 ml HBBS) are injected subcapsularly in a region of the kidney just beneath the kidney using a 29 gauge needle. A successful subcapsular intra-kidney injection is identified by an appearance of a fluid bleb without leakage into the peritoneal cavity. To prevent leakage, a sterile cotton swab will be held over the site of injection for one minute. The abdominal cavity is gently irrigated with sterile saline. The muscle layer is closed with a single suture and the skin closed with a surgical clip. Post-operatively, animals will be kept under observation for any signs of discomfort and kept warm on a circulating water warming blanket until returned to consciousness.