

**PORTLAND VETERANS AFFAIRS MEDICAL CENTER  
INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (PVAMC IACUC)  
ANIMAL CARE AND USE GUIDELINES**

**CHECK ONE:**

- I agree to comply with the following guidelines.
- I have attached written justification for deviation from these guidelines, and a description of the methods to be employed.

\_\_\_\_\_  
Principal Investigator

\_\_\_\_\_  
Date

**GUIDELINES FOR MAINTENANCE OF TUMOR CELL LINES  
AND HYBRIDOMAS IN RODENTS**

***Guidelines.***

1. Cell lines should be tested for presence of murine viruses prior to introduction into the animal colony. Acceptable methods to test cell lines include (contact the Veterinary Medical Unit for additional details):
  - a. MAP or RAP testing
  - b. IMPACT (PCR) testing
2. Mice inoculated with untested cell lines or cell lines known to be contaminated by murine viruses must be isolated. Isolation must be coordinated by the Veterinary Medical Officer.
3. Mice inoculated with cells producing solid tumors must be observed at least three times per week; mice must be euthanized when tumors ulcerate, achieve sufficient size to interfere with normal activity, or reach 10% of the animal's pre-inoculation body weight. Euthanasia before those stages of the disease is preferred.
4. After inoculation with an ascites-producing tumor line, mice must be observed at least three times per week for the first week and daily thereafter to monitor degree of abdominal distention and signs of illness. Ascites fluid must be removed by peritoneal tap before abdominal distention is great enough to cause discomfort or interference with normal activity. Mice should be euthanized when they show signs of poor condition such as huddling or ruffled coat.
5. Removal of peritoneal fluid may be done only following euthanasia or with anesthesia followed by euthanasia by skilled personnel. New personnel or students must be trained. Training is available from the Veterinary Medical Unit.
6. Written documentation of dates and times of all observations, status of animals and any procedures performed (i.e. euthanasia, peritoneal tap to drain ascites, etc.) must be kept for review by the IACUC or regulatory agencies.