

**University of Notre Dame
Institutional Animal Care and Use Committee
Policy for the Testing of Tumors and Cell Lines**

Purpose

Research rodents are easily infected by a number of viruses and bacteria which may produce disease and/or significantly alter experimental data. Many infectious agents of rodents can be carried in cell lines and tissues which, when implanted into naive host animals, may serve as a source of infection. To minimize the likelihood of inadvertent infection of specific pathogen-free rodents, biologic materials such as tumors, tissues, and cell lines should be evaluated for contamination with murine pathogens and other microbial contaminants prior to experimental use *in vivo*. If written confirmation of serological testing and the microbial status of such materials is not available (and supplied to the FLSC), the following procedures should be undertaken.

Procedures - Mouse/Rat Antibody Production Test

- A. Five immunocompetent individuals of the species to be used experimentally should be evaluated. Animals should be specific pathogen-free and purchased from a vendor approved by the FLSC.
- B. Animals will be maintained in the Quarantine Room (FLSC 402) for the entire testing period.
- C. Animals are inoculated with a sample of the test material either intraperitoneally or subcutaneously in a volume not to exceed 0.25 cc.
- D. Four to six weeks after inoculation, serum is sampled and processed for serologic evidence of infectious agents as described in the Serologic Monitoring SOP.
- E. Results of serology are maintained in the Serological Monitoring Log after review by the Attending Veterinarian.