



Stanford University
Department of Comparative Medicine – Veterinary Service Center

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Instructions for Submission of Biological Materials to be Tested for Murine Pathogens

What should be tested:

1. Any biological material not obtained by primary isolation from rodents currently housed in your colony at Stanford should be tested unless there is written documentation that the biological material is free from murine pathogens. Documentation should include: testing date, list of screened pathogens, diagnostic test(s) performed, and the laboratory that performed the test. Biological materials harvested from colonies under quarantine should also be tested unless they will be used in rodents within the same room.
2. Human-origin or non-rodent tumors, cell lines, or serum components should be tested unless documentation is available that they have never been passaged through or established in rodents, grown on rodent feeder cells, or, for serum or serum components, preabsorbed with rodent cells.
3. Cells, parasites, and viruses from culture collections, e.g., American Type Culture Collection (ATCC), should be tested unless documentation exists to show that they have been tested. ATCC does not test for contaminating mouse or rat pathogens.
4. Virus and protozoa stocks, irrespective of BSL status, if the mice/rats/hamsters will not be housed permanently in the biohazard suites. This includes all viral vectors (lentivirus, AAV, adenovirus, MMTV, etc.) and parasite stocks, e.g., *Toxoplasma*, *Plasmodium*, etc.

Instructions:

1. Fill out the Biological Material Pathogen Test Request (Part A) and **email to both Dr. Claude Nagamine** (cnagamin@stanford.edu) and diagnosticlab@stanford.edu.
2. Make an appointment to submit the sample: <https://calendly.com/diagnostic-lab>.
3. Collection tubes with 500 μ L of VTM (viral transport media) can be obtained free of charge from the Diagnostic Laboratory (**Alway, M308 (M-F, 8:00 am-3:30 pm, directions: <https://animaldiagnosticlab.com/>)**)
 - **Cell Culture:** Up to 2.5×10^7 cells (suspended in $\leq 400 \mu$ L of media or pelleted) can be placed in 500 μ L of VTM. Up to 5 cell lines can be pooled* as long as the total cells do not exceed 2.5×10^7 .
 - **Biologic fluids:** Up to 500 μ L of biologic fluids (e.g., serum media, protein solutions, antibodies, etc.) can be added directly to the VTM tubes. If the protein concentration is known to be ≥ 1.5 mg/mL, please provide the concentration on the request form comments.
 - **Tissue, Tumors:** Up to 5 mm³ solid tumors (100 mg) can be placed in 500 μ L of VTM.
4. Bring sample and a copy of request form to the scheduled time of your appointment.

* Note that if a pooled sample is positive for a pathogen, you should test each component for that specific pathogen to determine which component(s) is/are contaminated.

VSC Diagnostic Lab

Biological Material Pathogen Test Request Form – ****Please Type****

Date:

Principal Investigator:

Dept / Bldg / Room number:

Responsible Person:

IACUC protocol number:

Phone / e-mail address:

Account number (PTA):

Pathogen Test desired (underline): Mouse Rat Mouse + Rat

*Sample #	Name (e.g., HeLa, Matrigel, rat serum, parasite)	Species of origin (e.g., human, rat, rabbit)	Source (e.g., ATCC, WiCell, investigator)	Catalog #	Rodent species to be inoculated (mouse, rat, hamster)	Accession Number (filled in by VSC)
1						
2						
3						
4						
5						

* Samples must be in Viral Transport Media (VTM) and may be:

- Up to 0.5 ml of serum, ascites, or other biologic fluid added directly to 0.5 ml VTM.
- Up to 2.5 x 10⁷ cells (pelleted or in ≤0.4 ml of media) added to 0.5 ml VTM. Up to 5 cell lines can be pooled. Do not exceed 2.5 x 10⁷ cells or 0.4 ml of media+cells. Total (cells+media+VTM) = ≤1.0 ml.
- Up to 5 mm³ (100 mg) solid tumor or tissue in 0.5 ml VTM.
- **Tubes with 0.5 ml VTM available at no cost from the Diagnostic Lab - Alway M308 (8:00 am-3:30 pm).**

Directions to lab: <https://animaldiagnostyclab.com/>