

Kansas State University Rabies Laboratory - Manhattan, KS 66502
**Rabies Antibody Testing by the RFFIT Method
for Vaccine Titer Response**



Kansas State Veterinary
DIAGNOSTIC LABORATORY



KSU Rabies Laboratory
Kansas State University
2005 Research Park Circle
Manhattan, KS 66502

Phone: 785-532-4483
Fax : 785-532-4474
Email: rabies@vet.k-state.edu
<http://www.ksvdl.org/rabies-laboratory/>

- Specimen Requirements:** Required sample volume is **1-2 mL of serum**. Collect the blood sample in a tube with no anticoagulant and transfer serum to a 5.0 mL plastic leak-proof tube. Cerebral Spinal Fluid (CSF) testing is also available.
- Reference Range:** In humans, a result of 0.5 IU/mL or greater is considered acceptable according to the World Health Organization (WHO) guidelines. Greater than complete neutralization at a 1:5 serum dilution (equivalent to 0.1-0.2 IU/mL in the KSU Rabies Laboratory) is considered acceptable per the Advisory Committee on Immunization Practices (ACIP); see [WHO](#) and [ACIP](#) documents, as well as information on our [website](#) for additional guidance.
- Which Test to Request:** **If no specific test is requested, sample will be run as a Screen. Charges will apply for additional testing requests.**
- Screen:** Qualitative results. For those who want to know if they need a booster of rabies vaccine. Results are reported as either LESS THAN 0.1 IU/mL, \geq 0.1 IU/mL, or \geq 0.5 IU/mL.
- Endpoint:** Quantitative results. For those who want to know their exact titer between the reportable range of 0.1 to 15.0 IU/mL. For special requests/study samples, please contact the laboratory prior to submitting samples.
- Fee:** See [Cost Of Test](#) listing on website, prices subject to change. Payment may be made by including a check (payable to Kansas State University), submitting the [Credit Card Form](#), or [paying online](#).
- Payment:**
- Routine Turnaround:** Results will be ready in approximately 3-4 weeks, in some cases it may take shorter or longer. Results will be faxed or emailed to the submitting clinic.
- Shipping Information:** Specimen tube should be placed in a sealed plastic bag surrounded with absorbent material. This package should be placed inside of a container with gel packs or dry ice, and sufficient padding to keep tubes from breaking. An overnight shipping service is highly recommended. Shipping charges are the responsibility of the shipper. UPS labels available at <https://www.vet.k-state.edu/asp/Forms/ksvdl/Ups-Label>
- Specimen Labeling:** ALL specimen tubes must be labeled with the Patient's name/identification number. Specimens not properly labeled may not be accepted by the laboratory. All samples must have an accompanying [RFFIT for Humans submission form](#). **The blood draw date must be included on this form.** If these requirements are not met the test may be delayed.
- Send Samples to:** **The Rabies Laboratory**
Kansas State University
2005 Research Park Circle
Manhattan, KS 66502
- Rejection Criteria:**
- | | |
|---|-------------------------|
| Gross hemolysis (serum is dark red opaque in color) | Bacterial contamination |
| Gross lipemia (serum is milky opaque in appearance) | Unlabeled sample tube |
| Sample is not a serum sample (i.e., plasma) | |
| Insufficient volume (QNS - quantity not sufficient) | |
- Laboratories Licenses:**
- | | |
|--------------|----------------------------------|
| California | AAVLD |
| Rhode Island | CLIA |
| Maryland | CPT Code - 86382 |
| New York | Quality Assurance Letter (Human) |
| Pennsylvania | |

Forms and information are also available on the web at <http://www.ksvdl.org/rabies-laboratory/> . If you have additional questions, please call The Kansas State University Rabies Laboratory at (785) 532-4483 or email rabies@vet.k-state.edu .