

Ohio Department of Health Laboratory

Guidelines for Rabies Specimen Submission

Laboratory Testing

The standard test for detecting rabies is a fluorescent antibody test on brain tissue. If the test is positive, it is assumed the saliva also contained virus and the animal was infectious for rabies. If the test is negative, rabies virus is considered not to have been in the saliva. Rabies specimens are processed Monday through Friday afternoons, and results are read the following workday morning. Results are then phoned to the submitter. Rabies samples should be addressed as below:

Ohio Department of Health Laboratory
8995 E. Main Street
Building 22 (ODHL)
Reynoldsburg, Ohio 43068
(614) 644-4654

Only rabies testing is done at Ohio Department of Health (ODH). If a diagnosis other than rabies is of interest, contact a veterinary pathology service such as The Ohio State University Veterinary School at (614) 292-5661 or the Ohio Department of Agriculture at (614) 728-6220. Often specimens can be sent to them first, and they will forward tissue to ODHL. These and/or other private labs may have their own fees.

Appropriate Specimens

Live animals will not be accepted at the lab. Send only the head of animal to be tested. In the case of bats, mice and gerbils, the whole animal is suitable.

Tissue must be fresh. Do not submit maggot-infested or extremely decomposed specimens or specimens fixed in formalin.

Specimen Preparation

Animals should be killed in a humane manner without damaging the skull. Only experienced persons or veterinarians with current rabies pre-exposure prophylaxis should perform decapitations of rabies-suspect animals. Water-repellent gloves, protective clothing and goggles should be worn for safety. Carcasses should be disposed of in accordance with local and state laws.

Charge for Testing

There is a \$30 charge for pet and wild rodents including gerbils, hamsters, guinea pigs, mice, rabbits, rats, squirrels and chipmunks, shrews and moles. There is no charge for testing other animal species. Please make checks payable to "Treasurer, State of Ohio". Business entities should include their Federal Tax ID number on the check.

In counties where raccoon rabies is endemic, fee exemption may be requested for testing rabbits or wild rodents. This

will be considered only in situations where the rabbit or rodent has displayed clinical signs compatible with rabies and there has been a human exposure. Contact the ODH Zoonotic Disease Program at (888) 722-4371.

Specimens Handling and Packaging

Animal heads or brain tissue should be kept refrigerated but not frozen. The specimen should be double bagged using heavy plastic and each bag should be properly sealed. Do not use metal twist ties. If the specimen has any sharp protruding parts such as shattered bone, wrap it in several layers of newspaper first. Place the bagged specimen in an insulated container and surround the specimen with frozen packs. If dry ice must be used, place aluminum foil or several layers of newspaper between it and the specimen to prevent freezing. If more than one animal of the same species is submitted in a container, each head should be bagged and tagged separately for identification. Seal container securely with tape.

A fully completed Rabies Test Submission Report must be included for each specimen submitted. If the form is submitted within the shipping container, be sure it is sealed in a separate waterproof bag in the event of leakage. If necessary, securely affix it in an envelope to the outside of the container.

Shipping

Specimens should be either hand delivered, or sent by overnight courier service. Do not ship on Fridays or before holidays as there may be no one at the lab to accept delivery on weekends. Instead, hold the specimen until the following weekday.

Specimens can be delivered directly to the ODHL from 8 a.m. until 5 p.m. Monday through Friday. There is no after-hours or weekend access to the laboratory facility to drop off specimens.

Emergency

For questions or an emergency testing situation, call the ODHL during business hours at (614) 644-4654. For reporting rabies suspect animals or animal bites, contact your local health department. The ODH Zoonotic Disease Program is also available to answer rabies exposure questions at (888) 722-4371 or (614) 752-1029. Additional information on rabies is available on the ODH Rabies Web site <http://www.odh.ohio.gov> or the Centers for Disease Control and Prevention at <http://www.cdc.gov>.