



Oregon

Theodore R. Kulongoski, Governor

Department of Human Services
Public Health Division
800 NE Oregon Street
Portland, OR 97232-2162
Voice (971) 673-1111
FAX (971) 673-1100
TTY (971) 673-0372



Testing for Leptospirosis OSU

The Oregon State University Veterinary Diagnostic Lab is now able to test specimens for the presence of pathogenic leptospira using molecular diagnostic techniques. The technique requires the separation of bacterial DNA from urine specimens or kidney tissue followed by real-time PCR testing for conserved leptospira gene sequences. This assay is capable of identifying pathogenic leptospira including *L. interrogans* and not the non-pathogenic *Leptospira* in kidney and urine specimens. It does not identify the individual serovars of leptospira. The diagnostic sensitivity of the assay is 100% compared to the older FA examination and the detection limit approaches 1 organism per test.

Specimens from cattle, alpaca, cats, dogs, seals, and sea lions have been tested.

Test: Leptospirosis real-time PCR (acute onset of illness)

Price: \$15.00 ea

Specimen: Ship on ice in leakproof container.

Antemortem: 5-10 ml urine- not frozen (2 ml minimum).

Postmortem: fresh kidney.

Turn around Time: Minimum 2 days.

For further information contact the OSU Veterinary Diagnostic Lab at 541 737-6615.

Submission forms can be found on the lab website at
<http://oregonstate.edu/vetmed/vdl/vdl.htm>

“Assisting People to Become Independent, Healthy and Safe”
An Equal Opportunity Employer

