



## 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 leak-proof container.

Antemortem:

- 5-10 ml urine- not frozen ( 2 ml minimum).
- 2-4 ml of whole blood (purple top)

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/sites/default/files/SubmissionFormBUS-F-1-printonly.pdf>

Header Page 2 – Line 1

Line 2

Line 3