

Oregon State University Veterinary Diagnostic Laboratory
Annual Report

Fiscal Year July 1, 2008 to June 30, 2009

College of Veterinary Medicine
Oregon State University
Corvallis, Oregon

Demographics, 2008-2009

Total accessions: 14,659

Total accessions from Oregon: 12,631

Oregon accessions by county:

Baker	82	Lake	44
Benton	2,515	Lane	1,422
Clackamas	286	Lincoln	627
Clatsop	193	Linn	1,187
Columbia	79	Malheur	15
Coos	517	Marion	1,050
Crook	77	Morrow	62
Curry	104	Multnomah	392
Deschutes	477	Polk	375
Douglas	693	Sherman	2
Gilliam	5	Tillamook	180
Grant	38	Umatilla	256
Harney	47	Union	80
Hood River	44	Wallowa	13
Jackson	519	Wasco	19
Jefferson	40	Washington	450
Josephine	243	Wheeler	8
Klamath	132	Yamhill	358

Total accessions from outside Oregon: 2,028

Accessions by species:

Amphibians	5	Fish	80
Avian	501	Invertebrates	113
Bovine/beef	376	Mammal/other	725
Bovine/dairy	458	Misc/Research	13
Bovine/other	42	Non-animal	100
Camelid	1,901	Other	1
Canine	6,049	Ovine	201
Caprine	234	Porcine	45
Equine	2,275	Reptile	25
Feline	1,515		

Bacteriology/Parasitology Section, 2008-2009

Cultures

Bacterial (aerobic, anaerobic, Campylobacter)	5,025
Fungal	156
Mycoplasma	383
Antibiotic sensitivity (Kirby-Bauer)	<u>990</u>
Total cultures	6,554

Parasitology

Trichomonas culture	203
Baermann	19
Routine float	439
Sedimentation	58
Sugar centrifugation	1,249
Cryptosporidium exam (stain)	183
Fecal wet mount	113
Giardia exam (wet mount and FA)	95
Miscellaneous (Knotts, mite exam, parasite identification)	<u>26</u>
Total parasitology tests	2,385

Serology

Leptospira serotyping	2,145
Other serotyping	41
Brucella ovis	173
Neospora	150
Toxoplasma	190
Immunoglobulin concentrations	150
Heartworm	30
Brucella canis	37
Other	<u>5</u>
Total serology tests	2,921

Other tests

Leptospira FA	5
Clostridia FA	26
Clostridium toxin	41
Chlamydia (Gimenez and ELISA)	17
Gram and other stains	<u>55</u>
Total other tests	144

Total Bacteriology Section Tests	12,004
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Clinical Pathology Section, 2008-2009

Hematology	3,322
Chemistry Panels	3,032
Cytology	1,469
Endocrinology	395
Urinalysis	510
Hemostasis	257
Other*	<u>868</u>

Total Clinical Pathology Section Tests **9,853**

*Bile acids, amylase, lipase, discrete analytes and electrolytes, IgG, occult blood, sperm count, non-esterified fatty acids, β -hydroxybutyrate, cross match

Histopathology Section, 2008-2009

Total histologic slides prepared for each category

H&E

Biopsy	6,425
Necropsy	4,622
Muscle biopsies*	106
Research	<u>1,861</u>
Total	13,014

Special stains

Diagnostic	2,295
Research	<u>555</u>
Total	2,850

Unstained slides

Billed	820
Internal controls	<u>1,747</u>
Total	2,567

Frozen sections

Diagnostic	13
Research	<u>91</u>
Total	104

Immunohistochemistry

Diagnostic	192
Other/Research	<u>88</u>
Total	280

Other** **1,452**

Total Histology Slides **20,267**

*Equine muscle biopsy service

**Teaching, conferences, collections, consultations

Molecular Diagnostics Section, 2008-2009

PCR

Avian influenza virus	3,935
Bovine viral diarrhea virus	1,338
Mycoplasma haemolama	1,004
St. Louis encephalitis virus	3,749
West Nile virus	3,881
Infectious bovine rhinotracheitis virus	82
Leptospira	370
Other	<u>88</u>
Total PCR tests	14,447
 DNA sequencing	 1
 Total Molecular Diagnostics Section Tests	 14,448

Pathology Section, 2008-2009

Necropsy examinations by species

Avian	103
Bovine/beef	59
Bovine/dairy	42
Bovine/other	4
Camelid	41
Canine	148
Caprine	37
Equine	67
Feline	74
Fish	5
Mammal/Other*	66
Ovine	48
Porcine	19
Reptile and amphibian	<u>8</u>

Total necropsies **721**

*Free-roaming and captive herbivorous, omnivorous, and carnivorous mammals

Total abortion screens: 88

Carcass disposals: 140

Virology Section, 2008-2009

ELISA Antigen Detection	2,244
Serology	3,781
Virus Isolations	120
Viral Immunohistochemistry	10
EM Examinations	174
Fluorescent Antibody Tests	<u>303</u>
Total Virology Section Tests	6,632