

## Word from our Department Head

"During an unusually wet summer, conditions may have contributed to several significant veterinary challenges. In addition to potentially exacerbating the recent anthrax outbreak, the increased moisture may have led to cases of fog fever on two premises—a condition that is exceptionally rare in Wyoming. Moreover, we have, to our knowledge, identified the first reported instance of chronic bovine fascioliasis in a cow from the Laramie Valley."

- Dr. Jonathan Fox

# February 2025 Newsletter

## Testing Updates

### New Disease Diagnostic Panels

The lab is developing diagnostic panels for grouped testing across WSVL sections to streamline test requests and reduce costs.

The first, the bovine abortion panel, includes:

- Bovine Herpesvirus-1 (BHV-1)
- Bovine Viral Diarrhea Virus (BVDV)
- Abortion Culture Screen

Price: \$60.00

### Biopsy Pricing Update

Our new biopsy pricing launched in January and has been well received. We welcome your feedback and questions!

### 2024 Antibigrams Available

Antibiograms summarize bacterial susceptibility to antibiotics, aiding treatment decisions before culture and sensitivity results. They can be found at this [link](#).

### Sequencing Services Added

Amplicon and Whole Genome Sequencing are now available.



## WYOMING STATE VETERINARY LABORATORY



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[uwyo.edu/wyovet](http://uwyo.edu/wyovet)



[@WyomingStateVetLab](https://www.facebook.com/WyomingStateVetLab)



[@wystatevetlab](https://www.instagram.com/wystatevetlab)

## New Faces at the Lab!



Sharmin Jyoti  
Bacteriology  
Laboratory Technician III



Emily Jensen  
Business Office  
Office Associate, Sr



Cade Plotts  
Business Office  
Office Associate, Sr



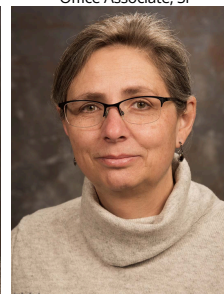
Alicia Espinoza  
Business Office  
Office Associate, Sr



Dr. Alexandra Brower  
Veterinary Sciences  
WSVL Director



Dr. Raphael Vanderstichel  
Veterinary Sciences  
Veterinary Epidemiologist



Dr. Maria Forzán  
Veterinary Sciences  
Wildlife Pathologist



Dr. Mariela Srednik  
Veterinary Sciences  
Veterinary Bacteriologist



Laura James  
Diagnostic Serology  
Laboratory Technician III



Dr. Izabela Ragan  
Veterinary Sciences  
Veterinary Virologist



Leah Kresl-Hotz  
Regulatory Serology  
Laboratory Technician III

## **New & Expanded Tests**

Ovine Progressive Pneumonia Virus PCR (OPP)

Caprine Arthritis Encephalitis Virus PCR (CAEV)

Parapoxvirus PCR

Ranavirus Immunohistochemistry (IHC)

Mycoplasma PCR - Detects a wider range of *Mycoplasma* species, including *M. ovipneumoniae* in sheep and goats.

Fungal PCR - Enables molecular identification when fungi are cultured but not identifiable by conventional methods.

Multiplex qPCR (In Development) - Simultaneously tests for *Coxiella burnetii* (Q fever, Chlamydia, and *Campylobacter* for small ruminant abortion cases.

**Tularemia Serology (MAT) is not currently offered. We are working on test development and hope to offer this test soon. We do offer Tularemia immunohistochemistry (IHC) testing.**



## **HPAI Updates:**

### **Wyoming's First HPAI Human Case**

- A confirmed human case in Platte County was likely due to direct contact with infected poultry.
- WSVL played a critical role in rapid response by testing the affected poultry.
- No human-to-human transmission has been documented; public health risk remains low.

### **Milk Testing**

- Wyoming milk samples are part of a state testing strategy.
- For symptomatic dairy cattle, contact **State Veterinarian Dr. Hallie Hasel** before submitting to the WSVL.
- For cattle movement or general health, samples can be sent directly to the WSVL with a **Premise ID** on the submission form.

### **Bird Testing**

- For domestic birds with clinical symptoms, please contact the State Veterinarian before submission.
- For general health monitoring, submit samples directly to the WSVL.
- For wild birds, please contact **WGFD** for assistance with submission.

### **Domestic Animal & Pet Testing**

- Testing is only warranted if a pet shows clinical disease linked to a potential exposure.
- Consult your veterinarian or contact WSVL for guidance on sample collection and submission.





## HPAI Updates (continued):

### **Raw Pet Food & Raw Milk**

- The FDA and USDA are testing raw pet food and raw milk in response to the nationwide avian influenza outbreak.
- Testing is only warranted if an animal shows clinical disease linked to suspect pet food.
- Consult your veterinarian or contact Dr. Hallie Hasel for guidance before sending samples.

## Brucellosis Surveillance Update:



In recent months, routine surveillance has detected brucellosis in cattle herds within Park and Sublette Counties. Testing at WSVL identified the cases, which were then confirmed by the National Veterinary Services Laboratory (NVSL). These herds, located in the brucellosis Designated Surveillance Area (DSA), are currently under quarantine. Check with the Wyoming Livestock Board for livestock brucellosis updates.

## Shipping Updates:

### We've expanded our shipping options:

- **FedEx** inbound shipping program is now an option!
- USPS is also available, but is generally less reliable and more expensive.
- Record your tracking number to track your shipment before sending samples.



### Improving shipping communication:

- Clients will now receive an automated email confirmation when WSVL receives their sample. These messages, sent from **vetrec@uwyo.edu** at the end of each day, confirm that your sample has arrived and is being processed.
- **No action is needed**—these emails are for your reference only.

**From:** vetrec@uwyo.edu <vetrec@uwyo.edu>  
**Sent:** Tuesday, February 25, 2025 11:59 PM  
**To:** Vet Name Here<Veterinarian@VetClinic.com>  
**Subject:** Samples Received at the WSVL

Dear Vet Clinic,

Please note that the following case(s) were logged today

Owner: John Doe  
Case Number: 250677

Owner: Jane Doe  
Case Number: 250678



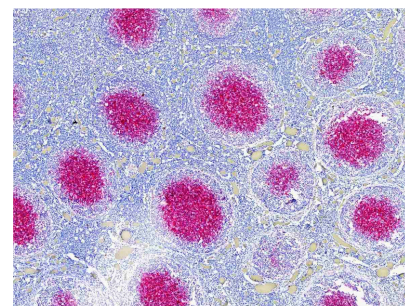
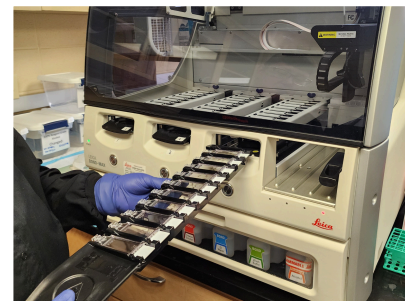
# Chronic Wasting Disease (CWD) Testing Updates

CWD testing requirements depend on the cervid species, harvest location, and tissue type submitted.

- WGFD offers ELISA testing for free-ranging animals.
- WSVL performs IHC on hunter-harvested animals.

## Where to Submit CWD Samples

Cervid Type	Sample Required	In-State Testing	Out-of-State Testing
Hunter-Harvested Deer	Retropharyngeal lymph node, tonsil, obex	ELISA (WGFD) / IHC (WSVL)	IHC (WSVL)
Hunter-Harvested Elk or Moose	Retropharyngeal lymph node, obex	ELISA (WGFD) / IHC (WSVL)	IHC (WSVL)
Farmed Deer	Retropharyngeal lymph node, obex	N/A (No game farms in WY)	IHC (WSVL)
Farmed Elk	Retropharyngeal lymph node, obex	N/A (No game farms in WY)	IHC (WSVL)



## Important Notes

- For ELISA-only testing on Wyoming hunter-harvested cervids, submit samples to the WGFD regional office (1212 S. Adams St.) or to your local checkpoint station.
- ELISA results are available through the **WGFD CWD Surveillance Program** at no cost.



## WSVL Newsletter is Back!

After a long break, we're excited to bring back regular updates! The WSVL Newsletter will now be published twice a year in February–March & August–September.

## WSVL Communications

A searchable testing and fee schedule is in development and will be rolled out this year. Stay informed by checking our website and social media for the latest updates!