



Herd Health Diagnostics
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bioPRYN[®]
Wildlife
Frequently Asked Questions

Q: What is BioPRYN?

A: BioPRYN[®] is the first and leading protein-based blood pregnancy test that delivers fast, accurate and economical pregnancy diagnostic test results by a simple blood sample. Applications of this technology have been documented in scientific and veterinary based publications since 1982.

The BioPRYN enzyme-linked immunosorbent assay (ELISA) test evaluates the blood (more specifically, the serum or plasma) of bovine species for a protein called Pregnancy Specific Protein B (PSPB). PSPB is produced by the placenta of an animal with a growing fetus and concentrations can be accurately measured in blood as early as 40 days post breeding. The following species can be tested using BioPRYN Wild: elk, moose, deer, caribou and African antelope.

Q: How much does it cost?

A: \$20.00 per sample

Q: How long does it take to receive results?

A: The BioPRYN wildlife assay is run every Wednesday with results on Thursday from December 1st to March 31st. From April First to November 28th the assay is run every other Wednesday with results on Thursday. Samples must arrive on Wednesday or prior in order to be run on Wednesday.

Q: How long are samples good for and how do I ship?

A: Whole blood is good for quite some time (up to a month) when stored in the refrigerator. Samples should be stored in the refrigerator until ready to ship. Serum samples can be stored for several months or years if needed and if multiple freezing and thawing is avoided. Samples may be shipped through any carrier and any method without ice year around. However, we do recommend shipping via UPS or FedEx due to the worth of the samples. We recommend shipping samples in a cardboard box versus a padded envelope. See detailed shipping instructions for more information.

Q: How much sample do I need to collect?

A: The test requires 75 microliters of serum therefore we prefer a minimum of 200 microliters. Otherwise, please ship ~ 2 mls of whole blood.

Q: What blood collection supplies do I need and where do I buy it?

A: We recommend a plain 3-5 ml, plastic, red top tube (with or without clot activator) or serum separator tube (tiger). If using a tiger top tube, be sure to fill the tube $\frac{3}{4}$ full or more. We recommend using a 16 to 20 -gauge double sided needle by 1 to 1 $\frac{1}{2}$ inches long. You may also use a syringe and then transfer to a blood tube as well. If you need help deciding what is best for you, contact Herd Health Diagnostics.

Supplies can be purchased through the BioTracking Store, your local vet supply or ranch or farm store. There are also many online stores such as Amazon where supplies are sold.

Q: How do I label tubes for testing?

A: Each tube should be labeled in sharpie or printed label with a tube sequence number (e.g. 1, 2, 3, etc.) and unique animal ID or ear tag # (e.g. 875).

Q: Who do I contact for more information?

A: Contact Amber at Herd Health Diagnostics from 8:30 am to 4 pm Pacific Time, Monday – Friday. The office number is 509.715.1131 and her email is amber@herdhealthdiagnostics.com