



BioPRYN Bovine Pregnancy Test Now Available

PDS has recently added a new diagnostic tool called BioPRYN[®] to its slate of tests for dairy and beef cattle practitioners and their clients. The blood-based test is a 100 percent embryo-safe process and can detect pregnancy as early as 30 days post-breeding in heifers and 90 days after calving for lactating cows.

BioPRYN uses an enzyme-linked immunosorbent assay (ELISA) to locate the presence of PSPB (Pregnancy Specific Protein B), a protein that is produced by the placenta and only found in a cow's bloodstream when she is pregnant. Blood is drawn into a red-topped blood collection tube from the tail or jugular vein and then submitted, through a veterinarian, to the lab for evaluation. No anticoagulant is necessary.

PDS will initially run the test once per week, with results available Thursday afternoon for samples received in the laboratory by 2:30 pm on Wednesday. If a large number of samples are submitted at once, the test can be run on other days.

The price of the test at PDS is \$4.50 per sample.

Research in peer-reviewed journals has consistently demonstrated the accuracy of the BioPRYN test at 97 percent. More importantly, the test is 99 percent accurate in identifying non-pregnant, open females. This provides confidence that hormone-based management programs that induce ovarian recycling and rebreeding can be applied safely once the results are known.

BioTracking, LLC, based in Moscow, Idaho (www.biotracking.com) manufactures the test with PDS as one of 2 affiliate service providers in Canada offering the test. For additional information on testing call the Endocrine Laboratory at (306) 966-7373 or contact PDS.