

IDEXX Bovine Pregnancy Test



Test With Confidence™

The solution for early, accurate detection

Know with certainty whether cows, goats, sheep or buffalo are pregnant. Beef and dairy producers and their veterinarians rely on early, accurate pregnancy detection.

With the IDEXX Bovine Pregnancy Test, you can give your clients answers they can act on with confidence.

- **Exceptional accuracy:** The IDEXX Bovine Pregnancy Test delivers 99.3% sensitivity and up to 95.1% specificity at just 28 days after breeding. With a negative or open result, your clients know with over 99% certainty that the cow is open. And a cow is identified as negative as soon as 60 days postcalving without interference from the previous pregnancy.
- **Earlier detection:** Accurately detects pregnancy-associated glycoproteins (PAGs) in serum or EDTA plasma as early as 28 days postbreeding to allow more frequent testing and improved reproductive performance.

Sensitivity and specificity¹

Pregnancy status of cow confirmed by ultrasound

		Ultrasound	
		Pregnant	Open
Serum	Pregnant	706	29
	Open	5	441

Sensitivity = 99.3% (95% CL: 98.3%–99.7%)
Specificity = 93.8% (95% CL: 91.2%–95.7%)

		Ultrasound	
		Pregnant	Open
Plasma	Pregnant	635	28
	Open	6	545

Sensitivity = 99.1% (95% CL: 97.9%–99.6%)
Specificity = 95.1% (95% CL: 93.0%–96.6%)

Pregnancy status by species

Species	Days Postbreeding	Sensitivity	Specificity
Cow (serum/plasma)	28	99.3%/99.1%	93.8%/95.1%
Sheep (serum only)	35	98%*	100%*
Goat (serum only)	28	100%*	100%*
Buffalo (plasma only)	30	100%*	91.4%*

*Sensitivity and specificity based on population tested. More details are shown in the IDEXX validation report.

Result interpretation

Samples are either positive (pregnant) or negative (open); the test cutoff is 0.300. Pregnant-Recheck (validated in bovine only): Embryonic death is common in early stages of cow pregnancy. PAGs can circulate in cows/heifers for some time after early embryonic death.

An optional recheck of the animal is recommended if the S-N value is equal to or greater than 0.300 and less than 1.000.

IDEXX encourages producers to work closely with their veterinarians to develop a reproductive management program that is appropriate for their operation.



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Results in less than 2.5 hours

Rapid, accurate testing certainly helps your laboratory run more efficiently. But that's not the only benefit.

- **Get results in less than 2.5 hours** with proven IDEXX ELISA technology.
- **Expand your testing options** by running diagnostic tests, such as Johne's disease and bovine viral diarrhoea virus (BVDV), on the same serum or plasma samples.
- **Boost client confidence—and your reputation**—when you determine earlier, and with certainty, whether an animal is open or not.
- **Demonstrate that you're a trusted partner in reproductive health** by helping clients shorten calving/kidding intervals and improve reproductive performance.
- **Run more pregnancy tests** because clients trust your results, value the quick turnaround and rely on you for additional confirmatory testing.

For more information about the **IDEXX Bovine Pregnancy Test**, please contact your IDEXX representative or visit idexx.com/reproduction.

Corporate Headquarters
IDEXX Laboratories, Inc.

One IDEXX Drive
Westbrook, Maine 04092
USA

Tel: +1 207 556 4890 or
+1 800 548 9997
Fax: +1 207 556 4826 or
+1 800 328 5461

European Headquarters
IDEXX Europe B.V.

Scorpius 60 Building F
2132 LR Hoofddorp
The Netherlands

Tel: +31 23 558 70 00 or
+800 727 43399
Fax: +31 23 558 72 33

Asian Headquarters
IDEXX Laboratories, Inc.

3F-5 No. 88, Rei Hu Street
Nei Hu District
11494 Taipei
Taiwan

Tel: +886 2 6603 9728
Fax: +886 2 2658 8242

1. Data on file at IDEXX