



IDEXX MAP Ab Test

Test With Confidence™

Sensitive to the Threat

***Mycobacterium paratuberculosis* (MAP) infection, also known as Johne's disease, costs dairy producers up to \$250 per animal per year¹ and the industry up to \$250 million annually.²** This chronic enteritis is present in over 68% of U.S. dairy herds, causing decreased milk production, diminished fertility and a shortened production life.³

The IDEXX MAP Ab Test now offers improved sensitivity to help you detect and control MAP.

More Sensitive Than Competitor A

IDEXX tested milk and serum samples using both the IDEXX MAP Ab Test and a competitor ELISA (Competitor A). The IDEXX test demonstrated superior sensitivity and excellent specificity compared to Competitor A.

	IDEXX Test	Competitor A
Sensitivity—Milk	52%	44%
Sensitivity—Serum	68%	67%

Study Details—Milk

IDEXX MAP Ab Test

Sensitivity = 52%; specificity = 98%

	Known Status ^{*†}	
	Positive	Negative
Positive	64	9
Negative	60	550
Totals	124	559

Competitor A

Sensitivity = 44%; specificity = 99%

	Known Status [*]	
	Positive	Negative
Positive	55	3
Negative	69	556
Totals	124	559

Study Details—Serum

IDEXX MAP Ab Test

Sensitivity = 68%; specificity = 99%

	Known Status ^{*†}	
	Positive	Negative
Positive	84	8
Negative	39	693
Totals	123	701

Competitor A

Sensitivity = 67%; specificity = 99%

	Known Status [*]	
	Positive	Negative
Positive	83	9
Negative	40	692
Totals	123	701

^{*}Sample status was determined by fecal culture method or samples were from herds with known positive status.
[†]For positive samples, suspect results were treated as negative (not detected); for negative samples, suspect results were treated as positive (detected).



IDEXX MAP Ab Test

Faster, More Convenient Protocol Than Competitor A

- Fewer reagents to prepare (2 vs. 3)
- More stable reagents
- No plate shaker needed
- Simpler steps, no need to stop the test to read controls
- Faster results (15–20 minutes shorter than Competitor A)
- Easy-to-use xChek® software for rapid result interpretation

The IDEXX MAP Ab Test—USDA licensed

- Developed by Institut Pourquier
- Known worldwide for sensitivity and specificity, now available in the United States
- Use with bovine milk samples, as well as bovine serum and plasma
- No need to skim milk
- Suitable for manual, semiautomated or fully automated work flows
- Results in less than two hours

References

1. Wells S. What is the value of Johne's testing? *Hoard's Dairyman*. April 10, 2003.
2. Johne's Information Central. Home page. Available at: <http://www.johnesdisease.org/>. Accessed June 29, 2009.
3. USDA Animal and Plant Health Inspection Service. Information Sheet: Johne's Disease on U.S. Dairies, 1991–2007. April 2008.

For more information about the **IDEXX MAP Ab Test**, please contact your IDEXX representative or visit idexx.com/map.

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