Bovine Tuberculosis Detection and Surveillance

Recommendations for the IDEXX M. bovis Ab Test
An innovation in bovine tuberculosis testing

Including the new IDEXX Mycobacterium bovis Antibody Test in bovine tuberculosis (bTB) control programs, can increase detection by identifying infections other tests miss. In bTB-negative areas, the IDEXX M. bovis Ab Test can be used on other existing sample streams, such as MAP and BVDV, as an easy, cost-effective surveillance tool.

### Surveillance Testing in bTB-Negative Areas with the IDEXX M. bovis Ab Test

The IDEXX M. bovis Ab Test delivers high specificity for a high degree of confidence in bTB-negative areas.

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| For cost-effective disease surveillance | Use at regular testing intervals in non-trade surveillance programs. | • High specificity of 98.2% makes herd management easier with less retesting.  
• Easy sample handling; no complicated sample shipping, stimulation or incubation requirements.  
• Maximum efficiency: can be used with samples collected for other surveillance purposes.  
• Fast, objective results offer good traceability.  
• No cross reactivity in Mycobacterium avium subsp. paratuberculosis (MAP) positive populations.  
• Proven, easy-to-use ELISA format. |

### Control Testing in bTB-Positive Areas with the IDEXX M. bovis Ab Test

When used in parallel with an intradermal reaction test, the IDEXX M. bovis Ab Test helps identify bTB in chronic bTB breakdowns.

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| For nonreactor cattle in new or ongoing, confirmed bTB breakdowns | Test every 1–2 years; test entire herd or skin-negative cohorts only. | • Sensitivity of 64.4% ensures trust and saves time by accurately detecting more positive cattle.  
• Herd level sensitivity is greater than other tests.  
• No desensitization in anergic cattle.  
• Maximum efficiency: can be used with samples collected for other surveillance purposes.  
• Easy sample handling; no complicated sample shipping, stimulation or incubation requirements.  
• Fast, objective results offer good traceability.  
• No cross reactivity in MAP positive populations.  
• Proven easy to use ELISA format. |
| For support of decisions around whole or partial herd slaughters in severe bTB incidents where there is evidence of nonspecific reactors | Test every 3–4 years; test positives and inconclusive initial reactors (IRs) to rule out false positives.  
• Run in parallel with an intradermal reaction test.  
• Test entire herd to reduce risk of newly established positives in otherwise bTB-negative areas. |
Bovine Tuberculosis

The IDEXX M. bovis Test is easy to add to your control or surveillance testing program:

- Offers an easy, familiar ELISA format that requires no special equipment or training.
- Can be used with the same blood samples already gathered for other surveillance programs (such as leukosis, brucellosis and BVDV).
- Provides a 2-hour protocol for fast results.
- Has been validated for cattle on 2,300 samples from 9 countries.
- Delivers standardized, objective results.
- Is manufactured in ISO-certified facilities and is highly consistent across lots.