

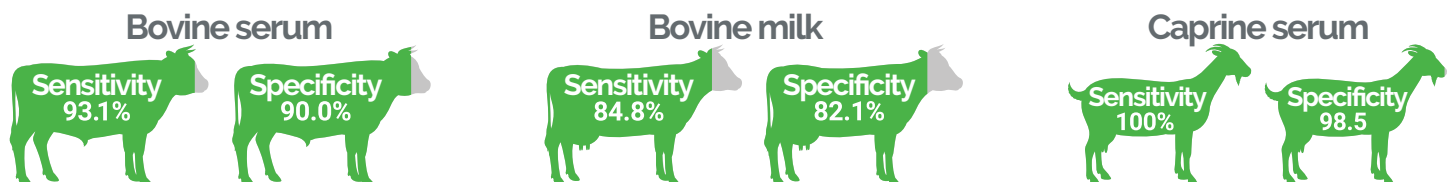
A versatile serology solution from VMRD for Johne's disease

Johne's disease is a chronic and highly contagious wasting disease of all ruminants caused by *Mycobacterium avium* ssp. *paratuberculosis* (MAP). Major clinical signs include weight loss, pipestream diarrhea, edema, decreased milk production, and eventually death. In the US, Johne's disease affects ~70% of dairy herds^[1], costing the industry **up to \$250 million per year** in production loss^[2]. An estimated 5-10% of beef herds are also affected^[3]. Currently, no effective vaccines or specific treatments are available, making proper diagnostic testing pivotal for management efforts.

[1] USDA. NAHMS - Dairy, 2008. [2] Ott SL, et al. Prev Vet Med, June 1999. [3] USDA. NAHMS - Beef, 1999.

Taking control of Johne's Disease with ELISA testing

- ✓ Cost-effective for assessing herd prevalence and risk
- ✓ Identifies target areas for focused management efforts
- ✓ Highly sensitive and specific for diagnosis of clinically affected animals



User-friendly qualities Speed and simplicity

- ✓ **No pre-incubation** step for absorption
- ✓ Results in **<75 min**
- ✓ **Ready-to-use** conjugate and controls
- ✓ Straightforward reagent preparation
- ✓ Simple reagent identification by color
- ✓ Reliable reagent consistency – no precipitation

