



Reliable & Accurate Detection of Paratuberculosis in Ruminant Samples

In industrial livestock production, operating conditions are optimized to achieve the highest production output while minimizing costs. Given the high density of livestock and the production pressure, the emergence of infectious diseases is a major risk, and therefore prevention and control measures are essential.

Eurofins Ingenasa developed an **indirect ELISA assay to detect specific antibodies to *Mycobacterium avium* spp paratuberculosis in serum and milk ruminant samples**. Prevention and early detection play a key role in the control strategy of paratuberculosis as this bacterial disease not only threatens ruminants but also imposes serious health risks on humans as well.

Key Benefits of the INgezim Kit

- Easy and reliable test with high specificity and sensitivity
- No cross-reaction with antibodies specific to other agents
- Different formats available to fulfill specific requirements
- Streamlined workflows
- The assay participated in GD's 2020 Ring Test, obtaining 100% correspondence with the expected results



Reliable & Accurate Detection of Paratuberculosis



Application



The **INgezim® Paratuberculosis** is an immunoenzymatic assay based on indirect ELISA technique for the detection of specific antibodies to *Mycobacterium avium spp paratuberculosis* in **serum and milk ruminant samples**.

Validation

- **Analytical sensitivity:** 2 paratuberculosis (PTB) positive reference sera were analysed (bovine and goat). The obtained results indicated that the assay is capable of detecting these sera as positive at 1/16 dilution for bovine and 1/32 dilution for goat.
- **Analytical specificity:** There is **no cross-reaction** with antibodies specific to other agents.
- The obtained results indicated **98% relative specificity** with milk samples, **>99% relative specificity** with serum samples and **91% relative sensitivity** with milk samples, **88% relative sensitivity** with serum samples.

Composition of the Kit

- Microtiter plates of 96 wells
- Vial with Positive Control
- Vial with Negative Control
- Vial with Conjugate
- Bottles with Washing Solution
- Bottles with Diluent
- Bottle with Substrate (TBM) ready to use
- Bottle with Stop Solution

Art. No.	Product	No. of tests	Product description
12.PTB.K1/2	INgezim® Paratuberculosis	2 plates kit - 192	Immunoenzymatic assay based on indirect ELISA technique for the detection of specific antibodies to <i>Mycobacterium avium spp paratuberculosis</i>
12.PTB.K1/5		5 plates kit - 480	

Contact Us for More Information!

Eurofins Ingenasa

Phone | +34 913 680 501

Email | ingenasa@ingenasa.com

Website | www.ingenasa.eurofins-technologies.com

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