

Shipping for Johne's Disease testing:

- 1) Samples for Fecal PCR test:
 - Submit feces or ileocecal region in 15 ml conical tube on ice
- 2) Samples for serology :
 - 1 ml serum

Ship samples in **laboratory tested, pressure transport system** inside outer shipping container. Transport systems are available from VDS.

Ship to:

NMDA/ Veterinary Diagnostic Services
700 Camino de Salud, NE
Albuquerque, New Mexico 87106

Tele: 1-800-432-9110

1-505-841-2576

Fax: 1-505-841-2518



Johne's Disease

Clinical Signs, Staging, and Diagnostics

Clinical Signs and Staging

Mycobacterium paratuberculosis

Long incubation period
> 2 years old

Clinical signs

- ◇ may appear normal
- ◇ weight loss, diarrhea and lower milk production



Stage 1: Subclinical and non-detectable with current testing

Stage 2: Subclinical shedders detected by fecal culture test. **Contaminating the environment.**

Stage 3: Visible symptoms of Johne's including acute or intermittent watery diarrhea, weight loss, and a drop in feed efficiency and milk production.

Likely test positive on blood and fecal culture tests.

Stage 4: Very thin, with fluid diarrhea.

Test positive on blood and fecal culture tests

Diagnostics available at VDS



← Corrugated mucosa of ileum

- ◆ Fecal direct PCR test (Submit feces or ileocecal region on ice)
 - As specific as fecal culture
 - 24 hours to completion
- ◆ Blood tests (1 ml serum)
 - Less accurate than culture
 - Used most effectively to confirm clinical cases or to test a group of animals in a herd.
- ◆ Neither method is an effective test for very young animals.
- ◆ Johne's disease is most accurately diagnosed by examining the lower small intestine and associated lymph nodes in a dead animal.

How to find out more information about Johne's testing:

Contact VDS by calling:

Local number: (505)841-2576

Toll free: 1-800-432-9110