



All samples must be bovine preputial scraping inoculated into a BioMed Bovine InPouch™ TF (for PCR or culture) or into a BioMed TF Transit Tube (for PCR only)

CHOICE 1: PCR Identification² of *Tritrichomonas* - InPouches or TF Transit Tubes Sent Directly to LADDL

- Inoculated InPouches/TF Transit Tubes are handled at ambient (**not refrigerated**) temperatures between 65-95°F.
- InPouches/TF Transit Tubes must be received at LADDL within **48 hours** of collection at ambient (**not refrigerated**) temperatures between 65-95°F.
- LADDL will incubate the pouches/tubes for 24 hours at 35-37°C (95-96.8°F) and then perform PCR (2-3 day turnaround)
- InPouches/TF Transit Tubes must be received at LADDL no later than **Friday at noon**.

CHOICE 2: PCR Identification of *Tritrichomonas* - InPouches or TF Transit Tubes Incubated at the Practitioner's Office

- If unable to make a Mon-Fri delivery, InPouches/TF Transit Tubes can be incubated at the practitioner's office at 35-36°C (95-96.8°F) for **24-48 hours** and then **frozen**.
- Frozen InPouches/TF Transit Tubes must be **shipped on ice or ice packs** and be received at LADDL within **24 hours of shipment**.
- LADDL will perform PCR as soon as possible (1-2 working day turnaround).
- Previously incubated and frozen InPouches/TF Transit Tubes must be received no later than **Friday at noon**.

CHOICE 3: Culture Identification of *Tritrichomonas* (InPouch only)

- Inoculated InPouches are handled at ambient (**not refrigerated**) temperatures between 65-95°F.
- Inoculated InPouches must be received at LADDL within **48 hours** of collection.
- InPouches must be shipped at **ambient (not refrigerated)** temperatures between 65-95°F.
- InPouches will be incubated at LADDL and microscopically examined daily for up to 6 days.

Pooling CANNOT be performed for official state regulatory testing.

Pooling for non-regulatory purposes (herd diagnostics). Collect and send **individual samples** according to the guidelines above. The lab will pool up to 3 samples and test by PCR for the price of 1 sample (please indicate which samples are to be pooled). If a pooled sample is positive, the lab will individually test the samples at additional price if the practitioner agrees. If the practitioner does not want the individual samples tested, all the animals in the pool will be reported as positive.

SAMPLES THAT DEVIATE FROM THESE GUIDELINES WILL NOT BE TESTED. THIS INCLUDES EXPIRED INPOUCHES OR TF TRANSIT TUBES.

NOTICE: An invalid result will be reported when the DNA internal control of the test fails to amplify, indicating inhibitors in the sample. Retesting of the bull is recommended.

¹ Guidelines based on "Current Data Suggest" Document of the AALVD Parasitology Committee, 2009

² PCR reference: McMillen, L. and A.E. Lew. 2006. Improved detection of *Tritrichomonas foetus* in bovine diagnostic specimens using a novel probe-based real time PCR assay. *Vet. Parasitology*. 141:204-215.