

Trichomoniasis Sample Collection CF-PARA-8, Rev.2, 6/2023 P ½.

Trichomoniasis samples in the state of Wyoming may only be collected by Trichomoniasis Certified veterinarians. Contact the Wyoming Livestock Board Animal Health for additional information.

Trichomoniasis Sample Collection Materials

1. MEDIA

- **Lactated Ringer’s Solution (LRS)** is the new preferred sample collection media.
- **WSVL will continue to provide tubes pre-filled with the preferred media for trichomoniasis testing (charges apply). Trichomoniasis samples should be submitted in sample collection supplies obtained from WSVL.**
- Should you have an inventory of Diamond's media or TF transit tubes, both media types can still be used.
- This new assay has been validated using the following types of media: LRS, phosphate buffered saline (PBS), Diamond’s media and TF transit media

2. COLLECTION TUBES

- Plastic tubes with screw caps are the only tube type accepted. Use of **pre-filled tubes provided by WSVL** is strongly recommended. **PLEASE SCREW CAP TIGHTLY.**
- Glass tubes are not accepted.
- Stoppered tubes are not accepted.
- Any leaky samples will be discarded.

Sample Handling

- Store samples at room temperature (70° F) or at refrigeration temperature (40 °F).
- **DO NOT FREEZE, DO NOT EXPOSE SAMPLES TO EXCESSIVE HEAT**

Submission Form

Samples must be submitted with a **COMPLETED** official WLSB trichomoniasis test submission form (available from WLSB or WSVL website). This submission form has been **UPDATED** to reflect changes regarding the new PCR assay.

- The submission form must be **COMPLETED IN ITS ENTIRETY, including sample information, bull identification, owner and submitter information.**
- **Samples will be pooled ONLY if the “pool samples at the lab” option is checked.**

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Lab Use Only</th> </tr> <tr> <td colspan="2">Date/Time Received:</td> </tr> <tr> <td>Carrier:</td> <td>Condition: W / C / F</td> </tr> <tr> <td># of Samples:</td> <td>Initials:</td> </tr> <tr> <td colspan="2">Tube type: RTT / Plastic / Glass / Other:</td> </tr> </table>	Lab Use Only		Date/Time Received:		Carrier:	Condition: W / C / F	# of Samples:	Initials:	Tube type: RTT / Plastic / Glass / Other:		<p>WYOMING LIVESTOCK BOARD TRICHOMONIASIS TEST RECORD 1934 Wyatt Drive Cheyenne, WY 82002 (307) 777-7515</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Accession # Barcode</td> </tr> </table>	Accession # Barcode
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Sample Transport

- Ship sample tubes in storage boxes. **Ensure the order of the sample tubes in the storage box matches the sample order on the submission form.** Place the storage box in a plastic bag for shipment.
- Samples must be transported at room temperature (70°F) or at refrigeration temperature (40°F). Use Styrofoam shipping containers for transport to maintain appropriate temperature range during shipping.
 - During summer months: Use frozen ice packs in shipping container
 - During winter months: Use room temperature ice packs in shipping container
- Samples cannot be frozen. Samples must be received by the lab within **5 days** of sample collection.*

No exceptions will be made! Allow appropriate time for shipping, avoid shipping samples at the end of the week, over holidays, and when storms are forecasted. **WSVL does not provide weekend/holiday service, i.e., for samples arriving on a weekend or holiday, the next official WSVL business day is the date received.*

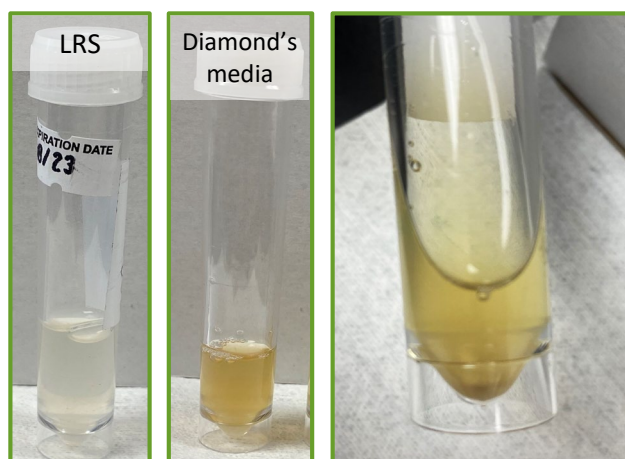
Sample Quality

Sample quality is imperative for reliable results. Samples will be rejected at WSVL if paperwork and/or samples do not meet quality standards.

- All sample tubes **must be labeled with an ID** that allows for unique identification of each tube. This is especially important when submitting samples from multiple owners on multiple submission forms.
- Samples must be submitted **FRESH** (not frozen), and be of acceptable quality.
- The **minimum sample volume** accepted is 1 mL media.
- Leaky samples will be rejected.
- Samples without a **completed** submission form, and samples that do not pass visual inspection (i.e., were not collected according to the trichomoniasis certification training) will be discarded. Please see examples below.

Examples of Good Sample Quality

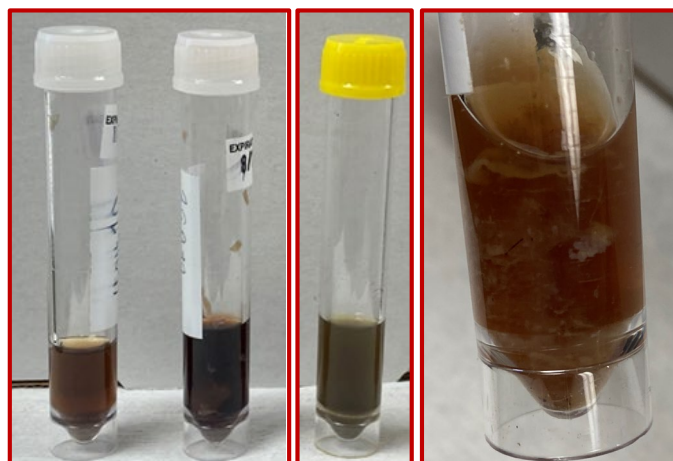
- Sufficient sample volume
- Cloudy appearance and presence of sediment indicate appropriate sample collection chute-side



Examples of Poor Sample Quality Unsuitable for Testing

- Presence of high amounts of contaminants, including: blood, dirt, and/or tissue
- Contaminants inhibit the detection of trichomoniasis organisms in the sample

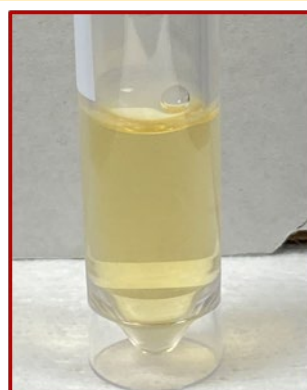
Contaminated samples will be rejected



Example of Unacceptable Sample Quality

- Sample is clear, media looks unused, and sample does not contain sufficient amount of smegma for reliable testing
- This tube indicates an inadequate sample was collected chute-side

Clear samples will be rejected



Sample testing at WSVL CF-PARA-8. 6/2023. Rev.2. p 2/2

- Samples are tested by *Tritrichomonas foetus* RNA detection (PCR method).
- Turnaround time for trichomoniasis results can be up to one week after sample receipt, so plan your sample submissions accordingly.
- Any exceptions from the submission guidelines must be authorized by WSVL and WLSB.