



AHDC Contacts

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Vibrio & Trich for Female Cattle

These are instructions for collecting specimens for *Campylobacter fetus* culture and fluorescent antibody and *Tritrichomonas foetus* (Virbrio & Trich) culture for testing by the Animal Health Diagnostic Center (AHDC).

Equipment and Materials supplied by request from the AHDC

1. Lactated Ringers (5ml) in screw top vial
2. Clark's Medium
3. InPouch TF *Tritrichomonas foetus* culture system

Needed but not supplied by the AHDC

4. Sterile, disposable infusion pipette with sterile, disposable breeding guard
5. Sterile syringe (20cc)
6. Syringe (3cc) and needle

Procedures

1. Attach 20cc syringe to guarded infusion pipette
2. Part lips of vulva and pass guarded pipette to anterior vagina
3. Gently push pipette thru protective tip of guard and aspirate mucus from external cervical os. Massaging cervix may increase ability to recover cervical mucus.

A. For both *t. Foetus* and *c. Fetus* culture and/or fluorescent antibody

1. Expel sample from catheter into vial of lactated ringers (LR), gently rinsing with LR.
2. Follow steps 1-3 below to open the InPouch
3. Using the same catheter, with 3cc syringe attached, transfer 1cc of the lactated ringers-mucus suspension to the InPouch TF, and proceed to Step 5 below.
4. **For *C. fetus* fluorescent antibody**, submit the remaining lactated ringers sample without further processing.
5. **For *C. fetus* culture**, use the 3cc syringe with needle to draw up 1cc of lactated ringers-mucus suspension and inject into the bottle of Clark's transport medium.
6. Ship to the laboratory *unrefrigerated immediately*. *Specimen can be held no longer than 3 days in Clark's Medium.*
7. Store Clark's Media refrigerated until used. **Media expiration date is two weeks from preparation date in our lab.**

B. For only *t. Foetus* culture, use the InPouch system

1. Make sure the liquid medium in the upper chamber is below the closure tape.
2. Tear open the pouch at the notch just above the closure.
3. Separate the flaps by pulling on the tabs to open the pouch.
4. Insert the catheter containing the specimen through the pouch opening and into the liquid of the upper compartment. Expel the sample out of the catheter. If the sample adheres to the catheter, gently rinse with some of the medium. **Avoid producing bubbles.**
5. Close the pouch by folding and rolling the tape towards you. Roll 2 or 3 times and fold the tabs behind the pouch to lock.
6. Express the contents of the upper compartment into the lower compartment. Roll down the pouch until the tape is at the top of the liquid, with the label still visible, and fold the wire tape tabs to lock the roll.
7. Ship to the laboratory UNREFRIGERATED.

For diagnostic cases: Select cows previously exposed to bulls via natural service, preferably showing vaginal discharge. Use in conjunction with Repro. Bacti. Panel 4 (Ureaplasma, Mycoplasma & Aerobic Culture).