



## Bovine Abortion

1. Examine placenta and fetus for any external abnormalities.
2. Measure and record crown-rump length for use in estimating gestational age.
3. Open abdomen and chest. With a sterile syringe and needle aspirate heart blood or thoracic fluid. Place in a sterile tube & label.
4. Aspirate fluid from the abomasum. Place in a sterile tube, label, and submit.
5. Collect remaining samples and record any abnormalities.

Please submit the following samples for diagnostic testing along with a general submission form. Label all samples. If no specific tests are requested the pathologist will run appropriate tests at their discretion.

You will need:

- 1) container with formalin
- 2) sterile tubes, syringes, and needles
- 3) whirl pak bags for fresh tissue

**Fresh Tissues (place in clean bags, i.e. whirlpaks)**

- 1) lung
- 2) liver
- 3) kidney
- 4) lymph node
- 5) spleen
- 6) heart
- 7) thymus
- 8) placenta-2-3 sections with cotyledons (place in separate bag)

**Fresh Fluids (place in individual sterile tubes)**

- 1) abomasal contents
- 2) thoracic fluid

**Fixed Tissues (place in formalin)**

- 1) placenta (4-5 sections)
- 2) thyroid gland
- 3) heart
- 4) lung
- 5) spleen
- 6) liver
- 7) kidney
- 8) adrenal glands
- 9) brain

10) skeletal muscle (3 sections)

### Additional Available Tests

1) globe or ocular fluid (nitrate levels)

### Routine Tests

<b>Test</b>
Abortion Panel
Leptospira PCR
BVDV PCR
Serology (Neospora, Bluetongue, BVDV, Leptospirosis)
Histopathology

### Additional Available Tests

<b>Test</b>
Virus Isolation
Toxicology (nitrate levels)