WSVL Sample Guidelines

UNIVERSITY OF WYOMING

Fluids

- Testing options:
  - Culture
  - PCR
- Send in a **sterile container** with **no additives**
- Examples:
  - Urine, milk, joint fluid, aspirates, abscess fluid, transtracheal wash (TTW), and bronchoalveolar lavage (BAL)

Hold at 37-40 °F
Ship on Ice





Fresh Tissue

- Testing options:
  - PCR
  - Culture
  - Histopathology



Roll Whirl-Paks at least 3 times

Hold at 37-40 °F
Ship on Ice

Fecal Sample

- Testing options:
  - PCR
    - Johne's
    - Potomac Horse Fever
    - Rotavirus
    - Coronavirus
  - Culture (Bacteriology)
  - Parasitology
    - Fecal Float
    - Baermann test
    - Fluke Exam
    - Giardia ELISA
    - Fecal Egg Count
    - Roundworm egg ID
      - Coproculture for equine and ruminants





DO NOT Submit in Gloves



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Fixed Tissue

- Testing options:
  - Histopathology
- The volume of formalin should be a **10:1 ratio** with a tissue thickness of **1.0 cm or less**
- The addition of alcohol (isopropyl or ethanol) at a ratio of **1 part alcohol to 9 parts formalin** can help prevent the samples from freezing
- **Recommendation:**
  - Fix in amount of formalin specified above for one day and then ship in a smaller amount of formalin to help reduce risk of leaking
  - Example for containers to ship in:
    - **10% neutral buffered formalin** (NBF) in **small screw cap containers**



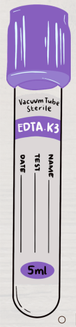




Hold at 68-72 °F
Ship in a leak proof container, don't let it freeze

Purple Top Tube (PTT)

- Testing Options:
  - PCR (Virology)
    - Except the following PCRs
      - Avian Influenza A
      - Avian Paramyxovirus-1 (APMV)
      - Bovine Coronavirus
      - Bovine Rotavirus
      - Canine Adenovirus 1,2
      - Canine-Feline Parvovirus
    - PTT is only exceptable for West Nile Virus (WNV), if the sample submitted is Avian
  - **DO NOT** submit for culture or serology



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Wooden Swab with Cotton Tip

- Testing Options:
  - Culture and Sensitivity (Bacteriology)
  - **DO NOT** submit for PCR (Virology or Bacteriology)
- Send in **Red Top Tube** with a **couple drops** of **saline**



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Culture Plate/Slant

- Testing options:
  - Culture and Sensitivity (Bacteriology)
  - Sequencing





Hold at 37-40 °F
Don't ship on ice

Synthetic swabs

- Please submit these in **Red Top Tubes** or any tubes **with no additives**
- Testing options:
  - **PCR** (Virology and Bacteriology)
  - Culture and Sensitivity (Bacteriology)

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Red Top Tube (RTT)/Serum

- Testing options:
  - Enzyme-linked immunosorbent assay (ELISA)
  - Microagglutination test (MAT)
  - Serum Neutralization test (SN)
  - Buffered Acidified Plate Antigen (BAPA)
  - Card Test (Rose Bengal Test)
  - **DO NOT** submit for PCR
    - **Exception**: RTT Can be submitted for **Anthrax** PCR



Hold at 37-40 °F
Ship on Ice

Amies Media without Charcoal

- Testing Options:
  - Culture and Sensitivity (Bacteriology)
    - This kind of culturette works well for most bacteria unless any fragile anerobes or sensitive aerobes are of concern
    - Works well for ***Mycoplasma*** and ***Ureaplasma*** suspects
  - **DO NOT** submit for any PCR or Virology testing



Hold at 37-40 °F
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Amies Media with Charcoal

- Testing options:
  - Culture and Sensitivity (Bacteriology)
  - This kind of culturette has a slight advantage for samples with concern for a **picky fastidious aerobic** or an **anaerobic** bacteria
  - This kind of culturette **extends the viability** of the sample over longer shipping times
  - **DO NOT** submit for any PCR or Virology testing
  - **DO NOT** submit for any cases where *Mycoplasma* or *Ureaplasma* is a concern



Hold at 37-40 °F
Ship on Ice

For more specific guidelines for **Rabies** testing

CLICK HERE

For more specific guidelines for **BVDV ear notch testing**

CLICK HERE

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Test and Fee Schedule

Submission Forms

WE WANT YOUR FEEDBACK!