Canine Respiratory Disease

In response to reports of canine respiratory disease with unknown etiology, the ISU VDL has established testing and submission guidelines for cases of concern. Our goal is to provide tests for pathogens of high importance, provide high quality, timely service, and collect samples for further diagnostic investigation, if needed.

Submissions from dogs with clinical signs of coughing, sneezing, nasal or eye discharge, and lethargy should have the following sample set:

- Two deep pharyngeal/nasopharyngeal swabs, submitted separately in saline or viral transport media.
- One deep pharyngeal swab in bacterial transport media.
- Serum in a red or white top tube
- Whole blood in EDTA

**Recommended testing includes:**

- 4 PCRs: Canine Adenovirus, Canine Distemper Virus, Canine Herpesvirus, and Canine Influenza Virus (CAdV, CDV, CHV, and CIV)
- Aerobic and anaerobic culture
- CBC and serum chemistry (if already performed, please include results with your submission)

**Submissions:**

- When submitting samples from a live patient, please use the ISU VDL Companion Animal Test Request Form.
- For respiratory related mortalities, please use the ISU VDL Pathology Request Form. We recommend sending the whole body with testing indicated at the pathologist’s discretion. If “discretion of diagnostician” is selected, the above tests will be performed provided all samples are available.
- Please provide a thorough history, including the duration of clinical disease, exam findings, and treatments administered, along with any test results performed at your clinic.
- Please select each test individually or write “Canine Respiratory PCR Panel” in the comments section of the form.
- If only certain tests are desired, please include a complete sample set, select desired tests, and write “For additional testing, please contact submitting DVM for approval.”

**Pricing:**

- CAdV, CDV, CHV, and CIV PCRs ordered together ($80 credit added) for total client cost:.... $80
- Bacterial culture and sensitivity of one isolate (if warranted):.................................................. $50
- CBC and serum chemistry (performed by clinical pathology):................................................ $52
- ISU VDL Submission fee (waived on Web-Submissions): ...................................................... $10
- 1% Hazardous Materials fee: ................................................................. 1% of total charges added to invoice

Samples will be retained for future testing at no cost to the submitting DVM. This will be performed on a to-be-determined timetable, if all other testing is negative.

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