

Colorado State University

Veterinary Diagnostic Laboratories

Fort Collins - Rocky Ford – Western Slope

IMPORTANT: Time required for testing, as shown in the test schedule below, is only an estimate. We make every effort to adhere to these schedules, however, unexpected sample volumes, poor sample quality, equipment failure of other factors beyond our control may impact our ability to meet these timelines. Always collect and submit samples well in advance of YOUR deadline to provide us with ample time should problems arise.

VIROLOGY/BOVINE

TESTS	SUBMISSION	CONTAINER	COOLANT	DEAD-LINE	TIME REQUIRED	SPECIAL COMMENTS
VIROLOGY						
BOVINE						
Blue Tongue (BT) 1) Serology AGID 2) Virus Isolation 3) PCR	1) 1 ml serum 2) 10 ml whole blood 3) 4 ml unclotted blood, spleen	1) RTT 2) GTT 3) Green top tube or Purple top tube, whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) M-F by 12:00 p.m. 2) Tue by 12:00 p.m. 3) M-F by 4 p.m.	1) AGID: 1 day 2) Negative one week, positive 2 ½ weeks. 3) One week	1) AGID results are reported as positive or negative. 2) Call 4 weeks in advance if more than four samples. Performed by chick embryo inoculation. 3) Reported as positive or negative.
Bovine Leukosis Virus (BLV) 1) AGID Serology 2) PCR	1) 1 ml serum (best) 2) Whole blood, unstained histo slide, fresh lymph node	1) RTT 2) Purple top tube, slide holder, whirlpak	1) Refrigerate 2) Refrigerate Purple top tube and fresh tissue	1) M-F by 12:00 2) M-F by 4 p.m.	1) 1 day later 2) One week	1) AGID test reported as positive or negative. 2) PCR reported as positive or negative
Bovine Herpesvirus – 4 1) Serology 2) PCR	1) 1 ml serum 2) Whole blood, Fresh lung, Lymphosarcoma, Mammary tissue	1) RTT 2) PTT, Whirlpak	Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-F	1) 4 days later 2) 1 week	1) SN test: Titers are reported 2) Reported as positive or negative.
Bovine Herpesvirus – 5 1) Serology 2) PCR	1) 1 ml serum 2) Trigeminal ganglia	1) RTT 2) Whirlpak	Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-F	1) 4 days later 2) 1 week	1) SN test: Titers are reported 2) Reported as positive or negative.
Bovine Respiratory Syncytial Virus (BRSV) 1) Serology 2) Fluorescent Antibody 3) Virus Isolation 4) PCR	1) 1 ml serum 2) Fresh Lung 3) Fresh lung, nasal swab 4) Fresh lung	1) RTT 2) Whirlpak 3) a. Whirlpak b. Viral Transport Media (VTM) 4) Whirlpak	1) Refrigerate 2) Refrigerate 3) a. Refrigerate b. VTM on dry ice 4) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-Thurs by 5:00 p.m. 3) Tues by 12:00 p.m. 4) M-F	1) 1 week later 2) 24 hours 3) 1-3 weeks later 4) 1 week	1) SN Test. Titers are reported and interpreted. 2) Reported as positive or negative. 3) Virus(es) is identified, reported. 4) Reported as positive or negative.
Bovine Viral Diarrhea (BVD) 1) Serology type I and II 2) Fluorescent Antibody 3) Virus Isolation 4) Antigen Capture Elisa 5) PCR BVD1 and II 6) Bulk Tank Milk PCR	1) 1 ml serum 2) Fresh lung, liver, kidney, spleen, lymph node, small intestine 3) Various tissues listed under FA, semen 4) Various tissues listed under FA, semen	1) RTT 2) Whirlpak 3) Tissues in whirlpak/semen straw in LN ₂ or dry ice. 4) a. RTT b. RTT with 2 ml	1) Refrigerate 2) Refrigerate 3) Refrigerate; semen in LN ₂ Dewar or dry ice 4) Refrigerate 5) Refrigerate 6) Refrigerate	1) Mon and Thurs by 5 p.m. 2) M-Thurs by 5:00 p.m. 3) Tues. by 12:00 p.m. 4) M-F by 12:00 p.m.	1) 4 days later 2) 24 Hours 3) 1-3 weeks 4) 24 Hours. 5) 1 week 6) 1 week	1) SN test. Titers are reported and interpreted. 2) Reported as positive or negative. 3) Virus(es) are identified. 4) Reported as positive or negative. 5) If positive, typing will be

	4) a. 1 ml serum b. ear notch 5) Tissues listed under FA and/or ear notch or PTT 6) 600 cc bulk tank milk	PBS 5) Whirlpak 6) Screw cap bottle		5) M-Thurs by 5:00 p.m. 6) M-Thurs by 5:00 p.m.		performed. 6) No typing performed on bulk tank. Reported as positive or negative.
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VIROLOGY/BOVINE/EQUINE

TESTS	SUBMISSION	CONTAINER	COOLANT	DEAD-LINE	TIME REQUIRED	SPECIAL COMMENTS
Chlamydomphila 1) PCR	1) a. Fresh spleen, liver, joint fluid, b. conjunctival c. fecal swab smear on slide, air dry or formalin fixed histo section.	1) a. Whirlpak, slide holder b. ½ ml sterile saline	1) Refrigerate	1) Wednesday by 12:00 p.m.	1) 3 days later	1) Reported as positive or negative.
Epizootic hemorrhagic disease (EHD) 1) AGID Serology 2) PCR	1) 1 ml serum 2) 4 ml unclotted blood, spleen	1) RTT 2) Purple top tube or Green top tube, Whirlpak	1) Refrigerate 2) Refrigerate	1) M-F by 12:00 2) M-F by 4:00 p.m.	1) 24 hours later 2) 1 week	1) AGID reported as positive or negative. Cross reacts with BT. Run on bovine, ovine, wildlife. 2) Reported as positive or negative.
Infectious Bovine Rhinotracheitis Virus (BHV-1) 1) Serology 2) Fluorescent Antibody 3) Virus Isolation	1) 1 ml serum 2) Fresh lung, liver, kidney trachea 3) Lung, liver, kidney, trachea, nasal swab	1) RTT 2) Whirlpak	1) Refrigerate 2) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-Thurs by 5:00 p.m. 3) Tues by 12:00 p.m.	1) 4 days later 2) 24 Hours 3) 1-3 weeks	1) SN test. Titers are reported and interpreted. 2) Reported as positive or negative. 3) Reported as positive or negative.
Parainfluenza-3 (PI-3) 1) Serology 2) Fluorescent Antibody 3) Virus Isolation	1) 1 ml serum 2) Fresh lung 3) a. Fresh lung b. Nasal swab	1) RTT 2) Whirlpak 3) a. Whirlpak b. VTM	1) Refrigerate 2) Refrigerate 3) a. Refrigerate b. Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-Thurs by 5:00 p.m. 3) Tues by 12:00 p.m.	1) 5 days later 2) 24 Hours 3) 1-3 weeks	1) SN test. Titers are reported and interpreted 2) Reported as positive or negative. 3) Reported as positive or negative
Bovine Corona Virus Diarrhea Screen 1) Latex Agglutination/ Corona FA	Fresh feces, 2 gm, or tied loop of intestine	Whirlpak	Refrigerate	M-F by 12:00 p.m.	Rota latex available same day. FA 2-3 days.	Rota Latex and FA tests detect viral diarrhea agents. *Minimum of 2 gm needed for results on both tests. Reported as positive or negative.
Vesicular Stomatitis Virus (VSV) 1) Serology a) Serum Neutralization b) Complement Fixation	1) 1 ml serum	1) RTT	1) Refrigerate	1) a) Mon and Thurs by 5:00 p.m. b) M,W,F by 8:00 am* *STAT request available for clinical cases during an outbreak.	1) a) 4 days later b) 24 Hours	1) a) SN test with New Jersey, Indiana strains. Titers are reported and interpreted. b) CF test with New Jersey and Indiana strains. Titers are reported and interpreted.
Bovine Abortion Serology Panel (IBR, BVD I, II, B. abortus, Lepto, Neospora)	4 ml serum	RTT	Refrigerate	1) Mon and Thurs by 5:00 p.m. - IBR, BVD I and II 2) Wed by 11:00 a.m. - Lepto, B. abortus	1) 4 days later 2) Same day	Post abortion serology of dam. Lab will interpret. Paired sera suggested.
Bovine Respiratory Disease Serology Panel (BRV, BVD I, II, IBR, PI-3)	4 ml serum	RTT	Refrigerate	Mon and Thurs by 5:00 p.m.	4-5 days later BSRV one week later.	Paired sera suggested. Titers are reported and interpreted.
EQUINE						
Chlamydomphila 1) PCR	1) a. Various tissues b. Fecal swab	1) Whirlpak	1) Refrigerate	1) Wed by 12:00 p.m.	1) 3 days later	1) Detects Chlamydia psittaci DNA. Reported as positive or negative.

VIROLOGY – EQUINE

<i>TESTS</i>	<i>SUBMISSION</i>	<i>CONTAINER</i>	<i>COOLANT</i>	<i>DEAD-LINE</i>	<i>TIME REQUIRED</i>	<i>SPECIAL COMMENTS</i>
Equine Herpes Virus (EHV-1 “Rhino”) 1) Serology (EHV-1) 2) Serology (EHV-3) 3) Serology (EHV-4) 4) Fluorescent Antibody (EHV-1) 5) Virus Isolation 6) PCR (EHV-1 and EHV-4) 7) PCR (EHV-3)	1) 1 ml serum or CSF 2) 1 ml serum 3) 1 ml serum 4) Fresh fetal lung, liver 5) a. Nasal swabs, or EDTA blood from acutely affected animals b. Aborted fetal lung, liver 6) See 4 & 5 above 7) Biopsy.	1) RTT 2) RTT 3) RTT 4) Whirlpak 5) a. PTT b. Whirlpak 6) See 4 & 5 above	1) Refrigerate 2) Refrigerate 3) Refrigerate 4) Refrigerate 5) Refrigerate 6) Refrigerate 7) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) Mon and Thurs by 5:00 p.m. 3) Mon and Thurs by 5:00 p.m. 4) M-Thurs by 5:00 p.m. 5) Tues by 5:00 p.m. 6) Fri by 12:00 p.m. 7) Fri by 12:00 p.m.	1) 4 days later 2) 4 days later 3) 4 days later 4) 24 Hours 5) 1-3 weeks 6) 1 week 7) 1 week	1) SN test. Titers are reported and interpreted. 2) SN test. Titers are reported and interpreted. 3) SN test. Titers are reported and interpreted. 4) Reported as positive or negative. 5) Virus(es) identified and reported. 6) If positive, type 1 or 4 reported. 7) Reported as positive or negative.
Equine Infectious Anemia (EIA, Coggins) 1) AGID Serology 2) ELISA Serology	1) 1 ml serum 2) 1 ml serum	1) RTT 2) RTT	1) Refrigerate 2) Refrigerate	1) M-F by 12:00 p.m. 2) M-F by 3:00 p.m.	1) 1 day 2) same day (ELISA by 5:00 p.m.) Stat charge added if needed before 5:00.	AGID & ELISA. Results reported as positive or negative
Equine Influenza Virus 1) Serology 2) Virus Isolation 3) Equine Influenza ELISA (Directigen ELISA) 4) PCR	1) 1 ml serum 2) Nasal swabs, from acutely affected animals 3) Nasal swabs, from acutely affected animals (does not require live/viable virus) 4) See 3 above	1) RTT 2) VTM 3) VTM 4) VTM or sterile saline	1) Refrigerate 2) Refrigerate 3) Refrigerate 4) Refrigerate	1) Wed and Fri by 5:00 p.m. 2) M-F by 12:00 p.m. 3) M-F by 12:00 p.m. 4) Fri by 12:00 p.m.	1) 1-3 days 2) 1-3 weeks 3) 1 day 4) one week	1) HI Test. Titers to two strains are reported (A1, A2) and interpreted. 2) Virus(es) to be reported 3) Reported as positive or negative 4) Reported as positive or negative
Equine Viral Arteritis Virus (EVA) 1) Serology 2) Virus Isolation 3) PCR	1) 1 ml serum 2) Semen 3) Semen, fetal tissue	1) RTT 2) Semen straw or semen in RTT 3) RTT, Whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) Tues by 5:00 p.m. 3) Wed by 12:00	1) 4 days later 2) 3 weeks later 3) Fri by 5:00 p.m.	1) SN Test. Titers are reported and interpreted. 2) Reported as positive or negative. 3) Reported as positive or negative.
Rota Viral Diarrhea Screen	Fresh feces, 2 gm* minimum, or tied loop of intestine.	Whirlpak	Refrigerate	M-F by 12:00 p.m.	Rota Latex available same day.	Rota Latex test detects viral diarrhea agents. *Minimum of 2 gm needed for results on both tests, reported as positive or negative.
Vesicular Stomatitis Virus (VSV) 1) Serology a) Serum Neutralization b) Complement Fixation	1) 1ml serum	1) RTT	1) Refrigerate	1) a) Mon and Thurs by 5:00 p.m. b) M,W,F by 8:00 am* *STAT request available for clinical cases during an outbreak.	1) a) 4 days later b) 24 Hours	1) a) SN test with New Jersey, Indiana strains. Titers are reported and interpreted. b) CF test with New Jersey and Indiana strains. Titers are reported and interpreted.
West Nile Virus (WNV) 1) Serology 2) PCR	1) ½ ml serum 2) Brain, spinal cord, CSF	1) RTT 2) Whirlpak, RTT	1) Refrigerate 2) On ice (4°C) or frozen (-20°C)	1) Tue and Thurs by 12:00 p.m. 2) Wed by 12:00 p.m.	1) Wednesday and Friday 2) Fri by 12:00 p.m.	1) Reported as positive or negative. 2) Reported as positive or negative.
Western Equine Encephalitis – PCR	1) Brain 2) CSF	1) Whirlpak 2) RTT, STT	Ship brain frozen. CSF cooled, not frozen.	Run once per week, day varies.	24 hours	Contact lab for specific turn around time

VIROLOGY – PORCINE/CANINE

TESTS	SUBMISSION	CONTAINER	COOLANT	DEAD-LINE	TIME REQUIRED	SPECIAL COMMENTS
PORCINE						
Porcine Reproductive and Respiratory Syndrome Virus (PRRS) 1) ELISA Serology-RF* 2) Fluorescent Antibody - RF* 3) PCR-FC* 4) Virus Isolation-FC*	1) 1 ml serum 2) Fresh lung 3) a. Serum b. Lung 4) a. Serum b. Lung	1) RTT 2) Whirlpak 3) a. RTT b. Whirlpak 4) a. RTT b. Whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate 4) Refrigerate	1) Thurs by 5:00 p.m. 2) M-Thurs by 5:00 p.m. 3) M-Thurs by 5:00 p.m. 4) M-F by 5:00 p.m.	1) 1-2 days 2) By 5:00 p.m. 3) 1 week 4) 2-3 weeks	1) Reported as positive or negative, S/P ratio reported if positive. 2) Reported as positive or negative. 3) Reported as positive or negative. 4) Virus identified and reported. PRRS ELISA done only at Rocky Ford. Send samples directly to Rocky Ford.
Pseudorabies Virus (PRV) 1) Serology LAT-RF, SN-FC* 2) Fluorescent Antibody -RF* 3) Virus Isolation - FC*	1) 1 ml serum 2) Fresh lung, tonsil, brain 3) Fresh lung, tonsil, brain	1) RTT 2) Whirlpak 3) Whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) LAT: M-F by 5:00 p.m. SN: Mon and Thurs by 5:00 p.m. 2) M-F by 12:00 p.m. 3) M-F by 12:00 p.m.	1) LAT next day by 12:00 p.m. unless (+). See SN deadline. SN Reported four days later. 2) By 5:00 p.m. 3) 1 week	1) LAT reported as positive or negative. SN test. Titers are reported and interpreted. PRV SN titers less than 1:4 are reported as negative. 2) Reported as positive or negative. PRV LAT done only at Rocky Ford. Send samples directly to Rocky Ford.
Porcine Parvo Virus 1) FA	1) Fetal lung	1) Whirlpak	1) Refrigerate	1) M-Thurs by 5:00 p.m.	1) 24 hours	1) Reported as positive or negative.
Swine Influenza Virus 1) Serology – FC* 2) Virus Isolation – FC* 3) Influenza ELISA (Directogen ELISA) – FC/RF* 4) PCR – FC*	1) 1 ml serum 2) a. Fresh lung b. Nasal swab 3) a. Fresh lung b. Nasal swab (does not require live/viable virus) 4) a. Fresh lung b. Nasal swab	1) RTT 2) a. Whirlpak b. VTM 3) a. Whirlpak b. VTM 4) a. Whirlpak b. VTM	1) Refrigerate 2) Refrigerate 3) Refrigerate 4) Refrigerate	1) Wed and Fri by 5:00 p.m. 2) M-F by 12:00 p.m. 3) M-F 4) M-F	1) 1-3 days 2) 2 weeks 3) 1 day 4) 1 week	1) HI test. Titers reported and interpreted. 2) Virus(es) is identified and reported. 3) Reported as positive or negative. 4) Reported as positive or negative.
Transmissible Gastroenteritis Virus (TGE) 1) Serology 2) Fluorescent Antibody	1) 1 ml serum 2) Fresh tied loop of intestine	1) RTT 2) Whirlpak	1) Refrigerate 2) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-Thurs by 5:00 p.m.	1) 4 days later 2) 24 Hours 3) Rota Latex available same day.	1) SN test. Titers are reported and interpreted. 2) Reported as positive or negative. 3) Latex test detects viral diarrhea agents. Reported as positive or negative.
Vesicular Stomatitis Virus (VSV) 1) Serology a) Serum Neutralization b) Complement Fixation	1) 1 ml serum	1) RTT	1) Refrigerate	1) a) Mon and Thurs by 5:00 p.m. b) M,W,F by 8:00 am* *STAT request available for clinical cases during an outbreak.	1) a) 4 days later b) 24 Hours	1) a) SN test with New Jersey, Indiana strains. Titers are reported and interpreted. b) CF test with New Jersey and Indiana strains. Titers are reported and interpreted.
CANINE						
Canine Adenovirus (ICH) Type 1 & 2 1) PCR	1) Fresh liver, brain, lung, spleen, kidney (preferred in this order)	1) Whirlpak	1) Refrigerate	1) Wed by 12:00 p.m.	1) Fri by 12:00 p.m.	1) Reported as positive or negative.

*FC = Ft. Collins

*RF = Rocky Ford

VIROLOGY – CANINE/FELINE

TESTS	SUBMISSION	CONTAINER	COOLANT	DEAD-LINE	TIME REQUIRED	SPECIAL COMMENTS
Canine Coronavirus Fluorescent Antibody (CCV)	1) Fresh intestine	1) Whirlpak	1) Refrigerate	1) M-Thurs by 5:00 p.m.	1) 24 Hours	1) Reported as positive or negative.
Canine Distemper Virus (CDV) 1) Serology 2) Fluorescent antibody 3) CDV PCR 4) CDV, IgG/IgM	1) 1 ml serum or CSF 2) Fresh lung, brain, or unstained conjunctival smear 3) Lung, brain, CSF, EDTA blood 4) Serum, CSF	1) RTT 2) Whirlpak 3) Whirlpak, PTT 4) RTT	1) Refrigerate 2) Refrigerate 3) Refrigerate 4) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-Thurs by 5:00 p.m. 3) Wed by 12:00 p.m. 4) M-Thurs by 5:00 p.m.	1) 4 days later 2) 24 Hours 3) Fri by 12:00 p.m. 4) 24 Hours	1) SN test. Titers are reported and interpreted. 2) Reported as positive or negative. 3) Detects CDV RNA. Reported as positive or negative. 4) IFA test titers reported and interpreted.
Canine Herpesvirus Serology (CHV) 1) Serology 2) Fluorescent antibody 3) PCR	1) 1 ml serum 2) Fresh lung, liver, kidney 3) Neonatal tissue, ocular swabs, EDTA Blood	1) RTT 2) Whirlpak 3) Whirlpak, PTT, swabs in .5 ml saline.	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) Mon by 5:00 p.m. (ran on Tue) 2) M-Thurs by 5: p.m. 3) Wed. by 12:00 p.m.	1) Fri by 5:00 p.m. 2) 24 Hours 3) Fri by 12:00 by p.m.	1) SN test. Titers reported and interpreted. 2) Reported as positive or negative. 3) Detects CHV DNA. Reported as Positive or Negative.
Canine Parvovirus (CPV) 1) Serology 2) Parvo ELISA/Corona FA 3) PCR	1) 1 ml serum 2) 2 gm fresh feces or loop of intestine 3) a. Same as 2 for CPV-2 b. Fresh lung for CPV-1 c. Fixed intestine or lung	1) RTT 2) Whirlpak 3) Whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) Wed and Fri by 5:00 p.m. 2) M-F by 12:00 p.m. 3) Wed by 12:00 p.m.	1) 1-3 days later 2) Parvo Elisa available same day. FA 2-3 days. 3) Fri by 12:00 p.m.	1) HI Test. Titers reported and interpreted. 2) ELISA and/or FA tests detect viral diarrhea agents. *Minimum of 2 gm of feces to run ELISA. 3) Reported as positive or negative.
FELINE						
Feline Herpesvirus, (FHV) 1) Serology 2) FHV-Chl PCR	1) 1 ml serum 2) Conjunctival scraping or biopsy	1) RTT 2) ½ ml sterile saline	1) Refrigerate 2) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) Wed by 12:00	1) 4 days later 2) Fri	1) SN test. Titers are reported and interpreted. 2) Reported as positive or negative for each agent.
Feline Calicivirus (FCV) 1) Serology 2) PCR - FCV	1) 1 ml serum 2) Oral or nasal , conjunctival swab or biopsy	1) RTT 2) ½ ml sterile saline	1) Refrigerate 2) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) Mon by 5:00 p.m. and Wed by 12:00 p.m.	1) 4 days later 2) Wed and Fri	1) SN test. Titers are reported and interpreted. 2) Reported as positive or negative for calici.
Feline Infectious Peritonitis (FIP) 1) Serology 2) PCR	1) a. 1 ml serum b. Clean abdominal tap c. CSF 2) a. Clean abdominal tap, CSF, brain, kidney b. Fixed kidney, brain, eye c. 1 ml whole blood	1) RTT 2) a. Whirlpak or RTT b. Whirlpak or fixed c. PTT	1) Refrigerate 2) Refrigerate	1) M-Thurs by 5:00 p.m. 2) Wed by 12:00 p.m.	1) 24 Hours 2) Fri by 12:00 p.m.	1) IFA test. Titers are reported and interpreted. 2) Detects FIP RNA.

VIROLOGY – FELINE/CAPRINE/OVINE

TESTS	SUBMISSION	CONTAINER	COOLANT	DEAD-LINE	TIME REQUIRED	SPECIAL COMMENTS
Feline Herpesvirus/ Chlamydoiphila PCR	Conjunctival scraping or biopsy	½ ml sterile saline	Refrigerate	Wed by 12:00 p.m.	Fri	Reported as positive or negative.
Feline Immunodeficiency Virus (FIV) 1) PCR	1) a.2 ml whole blood preferred (can run on less volume) b. Spleen	1) a. PTT b. Whirlpak	Refrigerate	1) M-F	1) One week.	1) Detects gag gene sequence of FIV provirus.
FeLV/FIV 1) Serology combo	1) a. 1 ml serum b. 1 ml whole blood	1) a. RTT b. PTT	Refrigerate	M-F by 4:00 p.m.	Same day.	Combination tests for FeLV antigen and FIV antibody.
Feline Panleukopenia (FPV) 1) Serology 2) ELISA 3) PCR	1) 1 ml serum 2) 2 g fresh feces or loop of intestine 3) 1 gm fresh feces or loop of intestine, or fixed intestine.	1) RTT 2) Whirlpak 3) Whirlpak or fixed	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) Wed and Fri by 5:00 p.m. 2) M-F by 12:00 p.m. 3) Wed by 12:00 p.m.	1) 1-3 days later 2) ELISA available same day. 3) Fri by 12:00 p.m.	1) HI test. Titers reported and interpreted. 2) ELISA test detects viral diarrhea agents. *Minimum of 2 gm of feces to run ELISA. 3) Reported as positive or negative.
Mycoplasma PCR	Conjunctival, oral, nasal swab	1/2 ml sterile saline	Refrigerate	Wed by 12:00 p.m.	Fri by 12:00 p.m.	Detects Mycoplasma DNA. Reported as positive or negative.
<i>CAPRINE/OVINE</i>						
Blue Tongue (BT) 1) AGID Serology 2) Virus Isolation 3) PCR	1) 1 ml serum 2) 10 ml whole blood 3) 10 ml unclotted blood or spleen	1) RTT 2) GTT 3) PTT or Whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) M-Thurs 12:00 2) Tue by 5:00 p.m. 3) M-F	1) 1 day later 2) Negative 1 week; Positive 4 weeks 3) 1 week	1) AGID Results reported as positive or negative. 2) Call 4 weeks in advance if more than four samples. Performed by chick embryo inoculation. 3) Detects viral RNA.
Caprine Arthritis Encephalitis (CAE)/Ovine Progressive Pneumonia (OPP) 1) AGID Serology 2) PCR	1) 1 ml serum 2) 5 ml whole blood	1) RTT 2) PTT	1) Refrigerate 2) Refrigerate	1) M-Thurs by 12:00 (No CAE AGID set up on Friday) 2) Wed by 12:00 p.m.	1) 1 day later 2) Fri by 12:00 p.m.	1) AGID test. Results reported as positive or negative. 2) Reported as positive or negative. Detects proviral DNA.
Caprine Herpesvirus – 1 1) PCR 2) VI	1) fetal or neonatal tissues (liver, kidney) 2) fetal or neonatal tissues	1) Whirlpak 2) Whirlpak	1) Refrigerate 2) Refrigerate	1) Wed by 12:00 p.m. 2) M-F by 12:00 p.m.	1) Fri by 12:00 p.m. 2) 1-3 weeks	1) Detects Caprine Herpesvirus – 1 DNA. Reported as positive or negative. 2) Reported as positive or negative.
Chlamydoiphila 1) PCR	1) a. Conjunctival scraping in ½ ml sterile saline. b. Fresh placenta, spleen, fetal liver, synovium, fecal swab	1) a. Tube with ½ ml saline b. Whirlpak	1) Refrigerate	1) Wed by 12:00 p.m.	1) Fri by 12:00 p.m.	1) Detects chlamydia DNA. Reported as positive or negative.

VIROLOGY – CAPRINE/OVINE/CERVIDAE/OTHER

TESTS	SUBMISSION	CONTAINER	COOLANT	DEAD-LINE	TIME REQUIRED	SPECIAL COMMENTS
Ovine Herpesvirus-2 (MCF) 1) PCR	1) Whole blood, Unstained histo slide, Fresh tissue, lymph nodes	1) Purple top tube, Slide holder, Whirlpak	1) Refrigerate	Wed by 12:00 p.m.	Fri by 12:00 p.m.	Detects viral DNA. Reported as positive or negative.
CERVIDAE						
Blue Tongue 1) AGID Serology 2) Virus Isolation 3) PCR	1) 1 ml serum 2) 10 ml whole blood 3) a. 4 ml unclotted blood b. Spleen	1) RTT 2) GTT 3) a. Green top tube or Purple top tube b. Whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) M-F by 12:00 2) Tue by 5:00 p.m. 3) Wed by 12:00 p.m.	1) 24 hours later 2) Negative one week, positive four weeks. 3) Fri by 12:00 p.m.	1) AGID results are reported as positive or negative. 2) Call 4 weeks in advance if more than four samples. Performed by chick embryo inoculation. 3) Reported as positive or negative.
Epizootic hemorrhagic disease (EHD) 1) AGID 2) PCR	1) 1 ml serum 2) 4 ml unclotted blood, spleen	1) RTT 2) Purple top tube or Green top tube, Whirlpak	1) Refrigerate 2) Refrigerate	1) M-F by 12:00 2) Wed by 12:00 p.m.	1) 24 hours later 2) Fri by 12: 00 p.m.	1) Cross reacts with BT. 2) Reported as positive or negative.
Bovine Respiratory Syncytial Virus 1) Serology 2) Fluorescent Antibody 3) PCR	1) 1 ml serum 2) Fresh Lung 3) Fresh lung	1) RTT 2) Whirlpak 3) Whirlpak	1) Refrigerate 2) Refrigerate 3) Refrigerate	1) Mon and Thurs by 5:00 p.m. 2) M-Thurs by 5:00 p.m. 3) Wed by 12:00 p.m.	1) 1 week later 2) 24 Hours 3) Fri by 12:00 p.m.	1) SN Test. Titers are reported and interpreted. 2) Reported as positive or negative. 3) Reported as positive or negative.
ALL SPECIES						
Rabies Exam	Head or brain. Include clinical signs, history, and identify all individuals exposed. Notify lab (970) 297-1281.	Whirlpak, double bagged please	Refrigerate	Daily by 12:00 p.m.	1-3 days depending on exposure status.	FA test on brain. Reported as positive or negative.