

Disease Suspected	Specimen	Sample Preparation	Laboratory Procedure
Bovine Herpes Virus 1 (IBRV)	Lung, Trachea	Refrigerate	PCR, Virus isolation, Sequencing
	Nasal swabs	Refrigerate	
Bovine Respiratory Syncytial Virus (BRSV)	Lung	Refrigerate	PCR, Virus isolation
Bovine Virus Diarrhea (BVDV)	Lung	Refrigerate	PCR, Virus isolation, Sequencing
	Nasal swabs	Refrigerate	
	Spleen Mesenteric lymph nodes	Refrigerate	PCR, Virus isolation, Sequencing
	Whole blood	Refrigerate	PCR, Virus isolation, Sequencing
Caseous lymphadenitis (sheep & goats)	Purulent exudate from abscess	Refrigerate	Culture-sensitivity
<i>Clostridium difficile</i>	Colon (sections with contents)	Refrigerate	Anaerobic culture, PCR, A/B toxin ELISA
<i>Clostridium perfringens</i> Types A & E	Small intestine (tied off)	Refrigerate	Anaerobic culture-sensitivity, Toxin PCR testing
		10% Formalin	Histopathology
	Abomasum (fresh)	Refrigerate	Anaerobic culture-sensitivity, Toxin PCR testing
		10% Formalin	Histopathology
	Liver (fresh) Note: Do not submit fecal samples for Type A	Refrigerate	Anaerobic culture-sensitivity, Toxin PCR testing
		10% Formalin	Histopathology
Coccidiosis/Cryptosporidiosis	Small intestine (with cecal & spiral colon & contents), Feces	Refrigerate	Fecal float
		10% Formalin	Histopathology
Colibacillosis	Small intestine (with contents), Feces	Refrigerate	Culture-sensitivity
Coronavirus (respiratory)	Lung	Refrigerate	PCR, Virus isolation
	Nasal swabs		PCR, Virus isolation
Enteritis (Rotavirus and Coronavirus)	Small intestine	Refrigerate	PCR, Virus isolation
		10% Formalin	Histopathology
	Intestine (with cecal & spiral colon section & contents)	Refrigerate	PCR, Virus isolation, Sequencing
	Feces		PCR, Virus isolation, Sequencing
Footrot (<i>Fusobacterium necrophorum</i>)	Swab from lesion	Refrigerate	Culture, PCR subspéciation
<i>Histophilus somni</i> (formerly <i>Haemophilus somnus</i>)	Affected lung	Refrigerate	Culture-sensitivity, Genotyping, PCR for immunoglobulin Binding proteins
		10% Formalin	Histopathology
	Myocardium	Refrigerate	Culture-sensitivity, Genotyping, PCR
		10% Formalin	Histopathology
	Joint swabs (if involved)	Refrigerate	Culture-sensitivity, Genotyping, PCR
	Brain	Refrigerate	Culture-sensitivity, Genotyping, PCR
10% Formalin		Histopathology	
<i>Mannheimia haemolytica</i> (formerly <i>Pasteurella haemolytica</i>)	Affected lung	Refrigerate	Culture-sensitivity, Genotyping, PCR, Serotyping
		10% Formalin	Histopathology
	Lymph nodes (mediastinal or bronchial)	Refrigerate	Culture-sensitivity, Genotyping, PCR, Serotyping
		10% Formalin	Histopathology
Mastitis	Milk sample from affected quarter or bulk tank	Refrigerate or frozen	Culture-sensitivity
<i>Mycoplasma bovis</i>	Affected lung	Refrigerate	Culture, Speciation, Fingerprinting
		10% Formalin	Histopathology
	Joint swabs/fluids, tracheal swabs	Refrigerate	Culture, Speciation, Fingerprinting
	Swabs or exudate from middle ear	Refrigerate	Culture, Speciation, Fingerprinting
Parainfluenza-3 Virus (PI-3)	Lung	Refrigerate	PCR, Virus isolation
	Nasal swabs		PCR, Virus isolation
<i>Pasteurella multocida</i>	Affected lung	Refrigerate	Culture-sensitivity, PCR
		10% Formalin	Histopathology
	Lymph nodes (mediastinal or bronchial)	Refrigerate	Culture-sensitivity, PCR
		10% Formalin	Histopathology
Pinkeye (<i>Moraxella bovis</i>, <i>M. bovoculi</i> & <i>M. ovis</i>)	Eye swabs	Refrigerate	Culture-sensitivity, PCR speciation (virulence factors), Genotyping
Reproductive failure/abortion	Fetus	Refrigerate	Reference lab
Salmonellosis	Small intestine (fresh), Spleen, Lung	Refrigerate	Culture-sensitivity, Genotyping
	Liver (fresh)	Refrigerate	Culture-sensitivity, Genotyping
	Lymph nodes (mesenteric)	Refrigerate	Culture-sensitivity, Genotyping
	Feces or fecal swabs	Refrigerate	Culture-sensitivity, Genotyping
Trace mineral deficiency (i.e. copper & selenium)	Liver (fresh)	Refrigerate	Reference lab