

Foot and Mouth Disease Differential Diagnoses

	Bovine	Swine	Sheep/Goats	Equine	Notes
Vesicular Differentials					
Blister Beetle (cantharidin)				X	
Contact Dermatitis- celery or parsnip		X			
Foot and Mouth Disease	X	X	X		
Phenylbutazone Toxicosis				X	
Swine Vesicular Disease		X			
Vesicular Exanthema of Swine		X			
Vesicular Stomatitis	X	X	Rare; Camelids, cervids susceptible	X	
Multifocal Erosions/ Ulcers Differentials					
Bluetongue	(X)		X		
BVD-MD (rarely acute severe BVD)	X				
Chemical or Thermal Burns	X	X	X	X	
Epizootic Hemorrhagic Disease (EHD)	X				
IBR Systemic	X				
Malignant Catarrhal Fever	X				
Peste des Petits Ruminants			X		
Rinderpest	X	X	X		
Traumatic Stomatitis	X	X	X	X	
T-2 Toxin	X	X	X		
Proliferative Lesion Differentials					
Contagious Pustular Dermatitis (Orf)			X		
Papular Stomatitis	X				
Sheep/Goat Pox			X		
Swine Pox		X			

High Consequence Livestock Pathogens- CNS and Reproductive Diseases

	Bovine	Swine	Sheep/Goats	Equine	Notes
CNS Differentials- Acute					
Babesiosis	X		X		
Blue Eye (paramyxovirus)		X			
Borna Disease				X	
Classical Swine Fever		X			
Eastern, Western, Venezuelen				X	
Equine Encephalitis				X	
Enteroviral Encephalomyelitis		X			
Heartwater	X		X		
Japanese Encephalitis		X		X	
Malignant Catarrhal Fever	X				Wildebeest associated
Nipah		X			
Pseudorabies		X	X		
CNS Differentials- Chronic					
BSE	X				
Scrapie			X		
Dourine				X	
Melioidiosis (pseudoglanders)				X	
Reproductive Differentials					
African Swine Fever		X			
Akabane	X		X		
Brucellosis	X	X	X		
Blue Eye (paramyxovirus)		X			
Classical Swine Fever		X			
Contagious Equine Metritis				X	
Dourine				X	
Japanese Encephalitis		X			
Menangle		X			
Nairobi Sheep Disease			X		
Nipah		X- rare			
Pseudorabies		X			
Q Fever	X		X		
Rift Valley Fever	X		X		
Tularemia			X		

There are fact sheets for many of the diseases listed above available at www.cfsph.iastate.edu/diseaseinfo

High Consequence Livestock Pathogens- Respiratory Disease

	Bovine	Swine	Sheep/Goats	Equine	Notes
Acute Differentials					
African Horse Sickness				X	
African Swine Fever		X			
Bluetongue (late summer/fall)			X		Pulmonary edema
East Coast Fever (Theileriosis)	X				
Heartwater	X		X		Tachypnea, fever
Hendra				X (cats too)	
Malignant Catarrhal Fever-wildebeest associated	X				
Nipah		X	X goats		
Peste des Petits ruminants			X		
Pseudorabies		X			
Rift Valley Fever			X		
Chronic Differentials					
Contagious Bovine Pleuropneumonia	X				
Contagious Caprine Pleuropneumonia			X goats		
Coccidioidomycosis	X				
Glanders				X	
Melioidiosis (pseudoglanders)			X	X	
Tuberculosis	X		X		

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High Consequence Livestock Pathogens- Systemic Diseases

	Bovine	Swine	Sheep/Goats	Equine	Notes
Systemic Differentials					
African Horse Sickness				X	
African Swine Fever		X			
Anthrax	X	X	X	X	
Bluetongue	(X)		X		
Bovine Ephemeral Fever	X				
Classical Swine Fever		X			
Contagious Caprine Pleuropneumonia			X		
Heartwater	X		X	X	
Hemorrhagic Septicemia	X				
Lumpy Skin Disease	X				
Malignant Catarrhal Fever	X				
Rinderpest	X	X	X		
Peste des Petits Ruminants			X		
Sheep and Goat Pox			X		