DISEASE	SPECIMEN	MEDIUM	LAB
African Horse Sickness			
Equine (including Zebra)	Serum	Red Top Tube (10 ml)	FADDL
	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
	Fresh Tissue: Spleen, LN, Lung	Separate Whirlpak Bag Per Tissue Type	
	Set of Tissues	Formalin (10:1)	
African Swine Feve	er		
	Serum	Red Top Tube (10ml)	FADDL
Swine	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
	Fresh Tissue: Tonsil, Gastrohepatic LN, Renal LN, Spleen	Separate Whirlpak Bag Per Tissue Type	
	Set of Tissues	Formalin (10:1)	
Aino and Akabane			
Bovine	Serum from fetus and dam	Red Top Tube (10 ml)	FADDL
Ovine Caprine	Fresh tissue: Placenta, fetal muscle and nervous tissue	Separate Whirlpak Bag Per Tissue Type	or NVSL -
	Set of Tissues	Formalin (10:1)	Ames
Avian Influenza – I	Highly Pathogenic		
Avian	Serum	Red Top Tube (2ml)	NVSL - Ames
	Tracheal Swab	Dacron Swab in BHI broth (3.5 ml) (can pool up to 5 swabs), do not pool tracheal and cloacal swabs together	Anies
	Cloacal Swab	Dacron Swab in BHI broth (3.5 ml) (can pool up to 5 swabs), do not pool tracheal and cloacal swabs together	
	Fresh Tissue (liver, spleen, kidney, lung, terminal intestine)	For Each Bird: 1 whirlpak with intestine	
		1 whirlpak with pooled lung, liver, spleen and kidney	
Bluetongue <sup>1</sup> & Epi	zootic Hemorrhagic Disease <sup>2</sup>		
Bovine	Serum	Red Top Tube (10ml)	NIVO
Ovine Caprine	Whole Blood from dam and newborn	Green Top Tube (10 ml) Purple Top Tube (10 ml)	NVSL – Ames
Cervid	Fresh tissue (dam): spleen, bone marrow	Separate Whirlpak Bags	or FADDL
	Fresh tissue (newborn): spleen, lung, brain	Separate Whirlpak Bags	(if vesicular
	Set of Tissues	Formalin (10:1)	lesions)
Blue Eye Paramyxovirus			
	Serum	Red Top Tube (10ml)	NVSL-Ames
Swine	Whole Blood from dam and newborn	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
	Nasal Swab	Dacron swab in TBTB (max 3 ml)	]
	Fresh tissue (brain, spinal cord, lung, tonsil, spleen, reproductive tissues from sexually mature animals)	Separate Whirlpak bag per tissue type	
	Set of Fixed Tissues (brain, spinal cord, lung, tonsil, spleen)	Formalin (10:1)	

<sup>&</sup>lt;sup>1</sup>Virus isolation, PCR and serology are done in Ames. PCR and serology are done at FADDL. <sup>2</sup>Virus isolation, PCR and serology are done in Ames. Serology is done at FADDL.

Bovine Ephemeral Fever				
Bovine	Serum	Red Top Tube (10 ml)	FADDL	
	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml		
	Set of Tissues	Formalin (10:1)		
Bovine Spongifo	orm Encephalopathy			
Bovine	Minimum for surveillance: Fresh Obex	50 ml tube or Whirlpak Bag	Contract Lab	
	Complete FAD Investigation (after Rabies Tests) Fresh Obex and ½ Brain	Whirlpak Bag	NVSL -	
	½ Brain	Formalin (10:1)	Ames	
Classical Swine	Fever			
Swine	Serum	Red Top Tube (10 ml)	FADDL	
	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)		
	Dacron Swab: Nasal	TBTB (3 ml)		
	Tonsil Scraping (with Teaspoon)	TBTB (5 ml)		
	Fresh Tissue: Tonsil, Mandibular LN, Mesenteric LN, Spleen, Kidney, Distal Ileum	Separate Whirlpak Bag Per Tissue Type		
	Set of Tissues Including Brain	Formalin (10:1)		
Contagious Aga	lactia			
Ovine	Serum	Red Top Tube (10ml)	FADDL	
Caprine	Dacron Swab: Nasal	BHI (3 ml)		
	Milk, Joint Fluid, Pleural Fluid, Pericardial Fluid	Sterile Tube or Red Top Tube		
	Udder & Associated LN, Lung	Separate Whirlpak Bags		
	Set of Tissues	Formalin (10:1)		
Contagious Cap	rine Pleuropneumonia			
Caprine	Serum	Red Top Tube (10ml)	FADDL	
	Pleural Fluid	Sterile Tube or Red Top tube		
	Fresh tissue: Lung, Mediastinal LN	Separate Whirlpak Bags		
	Set of Tissues	Formalin (10:1)		
Contagious Bovine Pleuropneumonia				
Bovine	Serum	Red Top Tube (10 ml)	FADDL	
	Pleural and Joint Fluid	Sterile Tube or Red Top Tube	]	
	Fresh tissue: Lung, Tracheobronchial LN and Mediastinal LN	Separate Whirlpak Bags		
	Dacron Swab: Nasal and Tracheobronchial	BHI (3ml)		
	Set of Tissues	Formalin (10:1)		

Foot and Mouth Disea	se		
Bovine Swine Camelids Cervid (including cloven-hoofed zoo animals & wildlife)	Serum	Red Top Tube (10 ml)	FADDL
	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
	Vesicular Tissue (vesicular epithelium – as large as practical)	Whirlpak Bags or TBTB (3 ml)	
	Vesicular Fluid	Sterile Tube or Red Top Tube (undiluted) or TBTB (50:50)	
	Dacron Swabs: Lesion, Nasal and Oral	TBTB (3 ml)	
	Esophogeal-Pharyngeal Fluid (Probang)	TBTB (50:50)	]
	Crusts/Scabs	Tube or Whirlpak Bags, no media	
	Fresh Tissue (esp. Lymph Node)	Separate Whirlpak Bags	
	Set of Tissues	Formalin (10:1)	1
Heartwater*			
	Serum	Red Top Tube (10 ml)	NVSL -
Bovine Ovine	Whole Blood	Purple Top Tube (10 ml)	Ames
Caprine Cervid	Brain Smear	Air dry before packaging. If receipt at lab to be > 24 hrs, fix with methanol before shipping. Note on paperwork if slide is fixed.	
	Fresh tissue (lymphoid tissues, brain, kidney	Separate Whirlpak Bag per tissue	
	Set of Tissues (lymphoid tissues, brain, kidney)	Formalin (10:1)	
Japanese Encephalitis	5		
Equine	Serum	Red Top Tube (10 ml)	FADDL
Swine	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
	Fresh tissue: Brain, Spinal Cord	Separate Whirlpak Bags	
	Set of Tissues	Formalin (10:1)	
Lumpy Skin Disease			_
Bovine	Serum	Red Top Tube (10 ml)	FADDL
	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
	Skin Biopsy	TBTB (3 ml)	
	LN Aspirate	TBTB (3 ml)	
	Fresh Tissues: Skin, LN, Lung	Separate Whirlpak Bag Per Tissue Type	
	Set of Tissues	Formalin (10:1)	

<sup>\*</sup>FADDL tests import cases from FMD-endemic countries.

DISEASE	SPECIMEN	MEDIUM	LAB
Malignant Catarrhal Feve			
Bovine	Serum	Red Top Tube (10 ml)	NVSL -
(Including wild	Whole Blood	Green Top Tube (10 ml)	Ames
ruminants)		Purple Top Tube (10 ml)	or
	Fresh Tissue: Spleen, lung, LN, Thyroid,	Separate Whirlpak Bag Per	FADDL
	Adrenal, Cornea, Liver & Kidney	Tissue Type	(if vesicular
	Set of Tissues	Formalin (10:1)	lesions)
Newcastle Disease - Exot	ic		
Avian	Serum	Red Top Tube (2ml)	NVSL-
	Tracheal Swab	Dacron Swab in BHI broth (3.5 mo) (can pool up to 5 swabs), do not pool tracheal and cloacal swabs together	Ames
	Cloacal swab	Dacron Swab in BHI broth (3.5 mo) (can pool up to 5 swabs), do not pool tracheal and cloacal swabs together	
	Fresh Tissue (liver, spleen, kidney, lung, terminal intestine)	For Each Bird: 1 whirlpak with intestine 1 whirlpak with pooled lung, liver, spleen and kidney	
Porcine Epidemic Diarrhe	l Pa	ilver, spieen and kidney	
<u> </u>	Serum	Red Top Tube (10 ml)	NVSL-
Swine	Fresh Tissue (feces, ileum, jejunum, duodenum, multiple sections of large intestine)	Separate Whirlpak bag per tissue type	Ames
Peste des Petits Ruminar	nts		
Ovine	Serum	Red Top Tube (10 ml)	FADDL
Caprine (Including wild small	Whole blood	Green Top Tube (10 ml)	
ruminants)	Dagran Swah: Nasal Ocular Oral Focal	Purple Top Tube (10 ml) TBTB (3 ml)	
,	Dacron Swab: Nasal, Ocular, Oral, Fecal Fresh tissue: Bronchial LN, Mesenteric LN,	Separate Whirlpak Bag Per	
	Lung, Spleen, Intestinal Mucosa	Tissue Type	
	Set of Tissues	Formalin (10:1)	
Rabbit Hemorrhagic Dise			
Rabbit	Serum	Red Top Tube (5 ml)	FADDL
	Fresh Tissue: Liver, Spleen	Separate Whirlpak Bags	
DIG VALLE E	Set of Tissues	Formalin (10:1)	
Rift Valley Fever	Comm	Ded Ten Tuke (40 ····)	EADD
Ovine Bovine	Serum Whale Blood	Red Top Tube (10 ml)	FADDL
Caprine	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
Camelid	Fresh Tissue: Liver, Spleen, Brain, Placenta	Separate Whirlpak Bag Per	
	Set of Tissues	Tissue Type Formalin (10:1)	
Rinderpest		<u> </u>	
Bovine	Serum	Red Top Tube (10 ml)	FADDL
Swine	Whole Blood	Green Top Tube (10 ml)	- 7555
(including zoo		Purple Top Tube (10 ml)	
animals & wildlife)	Dacron Swabs: Lachrymal, Oral, Fecal	TBTB (3 ml)	1
	Fresh Tissue: Oral lesions, Mesenteric LN, Prescapular LN, Spleen	Separate Whirlpak Bag Per Tissue Type	
	Set of Tissues	Formalin (10:1)	1
	50t 01 1103u03	- Simami (10.1)	

DISEASE	SPECIMEN	MEDIUM	LAB
Sheep & Goat Pox			
	Serum	Red Top Tube (10 ml)	FADDL
Ovine	Whole Blood	Green Top Tube (10 ml)	
Caprine		Purple Top Tube (10 ml)	
	Fresh Tissues: Skin, LN, Lung	Separate Whirlpak Bag	
	Skin Biopsy	TBTB (3 ml)	
	LN Aspirate	TBTB (3 ml)	
	Set of Tissues	Formalin (10:1)	
Swine Vesicular Disease			
	Serum	Red Top Tube (10 ml)	FADDL
Swine	Whole Blood	Green Top Tube (10 ml) Purple Top Tube (10 ml)	
	Vesicular Tissue (vesicular epithelium – as large as practical)	Tube or TBTB (3 ml)	
	Vesicular Fluid	Sterile Tube or Red Top Tube (undiluted) or TBTB (50:50)	
	Dacron Swab: Lesion, Nasal, Fecal	TBTB (3 ml)	
	Fresh Tissue: Skin, tongue and mucosa with lesions	Separate Whirlpak Bags	
	Set of Tissues	Formalin (10:1)	
Teschen/Talfan			
	Serum	Red Top Tube (10 ml)	NVSL – Ames or FADDL
Swine	Fresh tissue (brain, spinal cord, lung, tonsil, spleen)	Separate Whirlpak bags per tissue	(If CSF in differential)
	Set of Fixed tissues (brain, spinal cord, lung, tonsil, spleen)	Formalin (10:1)	,
Venezuelan Equine Encephal	lomyelitis		
	Serum	Red Top Tube (2 ml)	NVSL - Ames
Equine	Whole Blood	Green Top Tube (2ml)	
	Brain, cerebrospinal fluid	Whirlpak bag (brain) and red-top tube (CSF)	
Vesicular Exanthema of Swin	ne		
Swine	Serum	Red Top Tube (10 ml)	FADDL
	Whole Blood	Green Top tube (10 ml)	
	Variation Transfer	Purple Top tube (10 ml)	
	Vesicular Tissue (vesicular epithelium – as large as	Whirlpak Bags or TBTB (3 ml)	
	practical)	, ,	
	Vesicular Fluid	Sterile Tube or Red Top Tube (undiluted) or	
		TBTB (50:50)	
	Dacron Swab: Lesion, Nasal, Oral	TBTB (3 ml)	
	Esophogeal-Pharyngeal Fluid (Probang)	TBTB (50:50)	
	Fresh Tissues: skin, tongue and mucosa with lesions	Separate Whirlpak Bags	
	Set of Tissues	Formalin (10:1)	

DISEASE	SPECIMEN	MEDIUM	LAB
Vesicular Stomatitis			
Bovine	Serum	Red Top Tube (10ml)	FADDL
Swine Ovine	Whole Blood (not for equine)	Green Top Tube (10 ml) Purple Top Tube (10 ml)	(Ruminant and Swine) & NVSL - Ames (Equine)
Caprine Equine Camelid	ine Vesicular Fluid Ste	Sterile Tube or Red Top Tube (undiluted) or TBTB (50:50)	
Camona	Vesicular Tissue	Whirlpak Bags or TBTB	
	(vesicular epithelium – as large as practical)	(max 3 ml)	
	Dacron Swab: Lesion, Nasal, Oral	TBTB (3 ml)	
	Esophogeal-pharyngeal Fluid (Probang) (Not required for equine)	TBTB (50:50)	
	Fresh Tissue: Skin, Tongue and Mucosa with lesions	Separate Whirlpak bags per tissue	
	Crusts/scabs	TBTB (enough to moisten scab/crust)	
	Set of Tissues (not for equine)	Formalin (10:1)	

DO NOT FREEZE SAMPLES - Submit Cool on Frozen Gel Pacs

<sup>\*</sup>List of tissues to be placed in formalin – At a minimum, collect 1 cm thick sections of any lesion, trachea, esophagus, heart, lung, thoracic lymph nodes, liver, spleen, kidney, abdominal lymph nodes, bladder, stomach, duodenum, jejunum, ileum and colon. If neurologic signs, collect brain. If small lesion, put entire lesion in whirlpak for virology, NOT in formalin.