



NECROPSY KIT INSTRUCTION SHEET

MONTANA VETERINARY DIAGNOSTIC LABORATORY
DIVISION OF THE DEPARTMENT OF LIVESTOCK – STATE OF MONTANA
1911 WEST LINCOLN STREET, BOZEMAN, MT 59718
P.O. Box 997, BOZEMAN, MT 59771

Phone 406-994-4885
Fax 406-994-6344
WEB www.liv.mt.gov/lab
Email livdiagnosticlab@mt.gov

TISSUE SELECTION

Postmortem examination and tissue collection should be completed as soon as possible after animal death to facilitate diagnosis. Collect *all tissues* requested in kit instructions including grossly abnormal and normal tissue; grossly normal tissue may contain lesions visible only by microscopic visualization.

If the animal is alive but will be sacrificed, a serum sample and an EDTA blood sample collected prior to necropsy are helpful

FRESH TISSUES

- ♦ Harvested tissue pieces should be approximately 2 to 3 inch cubes
- ♦ Place tissues in a Whirl-Pak® and place sealed Whirl-Pak® into a secondary plastic bag with sufficient absorbent material to collect any liquid that may leak from tissue container
- ♦ Pack tissues with frozen gel packs for shipping

FIXED TISSUES

- ♦ Harvested tissue pieces should be ½ to ¾ inch thick and placed immediately into a container of 10% formalin
- ♦ The volume of formalin should be 10 times the volume of the tissue being fixed
- ♦ Seal the tissue container (please do not tape) and place into a secondary plastic bag with sufficient absorbent material to collect any liquid that may leak from tissue container

TESTS AND RESULTS

- ♦ The MVDL pathologist will select specific tests based on case history and clinical, gross and microscopic examination of the submitted tissues. Special requests or concerns should be noted on the SV43. Succinct, complete history greatly assists the pathologist in interpretation and deriving a diagnosis.
- ♦ A case summary will be provided by the pathologist but final interpretation and diagnosis may rest with the submitting veterinarian

KIT CONTENTS

- ♦ An SV43 submission form in a Whirl-Pak®
- ♦ Two large and two small Whirl-Pak®
- ♦ One bottle of 10% formalin

SHIPPING

US POSTAL ADDRESS

Montana Veterinary Diagnostic Lab
P O Box 997
Bozeman, MT 59771

UPS, FEDEX EXPRESS, GREYHOUND ADDRESS

Montana Veterinary Diagnostic Lab
Marsh Lab, Room 76
1911 West Lincoln
Bozeman, MT 59718

CONTINUED ON REVERSE



NECROPSY KIT INSTRUCTION SHEET

TISSUE COLLECTION LIST

SUDDEN DEATH			
FRESH TISSUES	AND	FIXED TISSUES	
Brain – see CNS (below)		Brain – see CNS (below)	
Intestinal contents (10cc)		Colon – one inch segment of two regions	
Kidney		Kidney	Lung (x2)
Liver		Liver	Myocardium
Lung		Small intestine – one inch segment of each region	
Spleen		Spleen	
Stomach			
RESPIRATORY DISEASE			
FRESH TISSUES	AND	FIXED TISSUES	
Bronchial lymph node		Bronchial lymph node	
Lung		Heart – right & left ventricle, free wall and septum	
Trachea		Liver	Spleen
		Lung	Trachea
GASTROINTESTINAL DISEASE			
FRESH TISSUES	AND	FIXED TISSUES	
Ileum – two inch segment		Colon – one inch segment	
Lung		Small intestine – one inch segment of each region	
Mesenteric lymph node		Esophagus	Rumen
Spleen		Kidney	Spleen
Rectal contents (20 cc)		Liver	Stomach or absomasum
		Lung	Tongue
		Pancreas	
CENTRAL NERVOUS SYSTEM			
FRESH TISSUES	AND	FIXED TISSUES	
Brain/Spinal cord		Brain/Spinal cord	Liver
Heart		Ileum	Lung
Kidney (x2)		Jejunum	Pancreas
Lung		Kidney	Spleen
Spleen			
Stomach or rumen contents (1 lb)			

Rabies testing requires a complete transverse section of fresh brain stem. We recommend submission of the entire brain in a fresh, refrigerated state for all neurologic cases. Consultation with a pathologist is encouraged.

Transmissible spongiform encephalopathy (TSE) testing such as BSE, Scrapie or CWD requires the obex region of the medulla oblongata. Submission of the retropharyngeal lymph nodes is also recommended for CWD testing, especially in deer.

