

Suggested Standard Submission for Neonatal Scours

Species	HISTOPATHOLOGY	BACTERIOLOGY	VIROLOGY	PARASITOLOGY
Bovine	Abomasum	Mesenteric	Jejunum	Ileal mucosal
	Jejunum	Lymph node	Ileum	smear
	Ileum	Jejunum	Colon	Feces
	Colon	Ileum	Feces	
	Heart			
	Lung			
	Liver			
	Kidney			
	Spleen			
Porcine	Duodenum	Jejunum	Jejunum	Ileal mucosal
	Mid-jejunum	Ileum	Ileum	smear
	Ileum		Feces	Feces
	Colon			
	Heart			
	Lung			
	Liver			
	Kidney			
	Spleen			

Comments

Histopathology: Fix 5 mm thick portions of tissue in 10 volumes of formalin per volume of tissue; do not freeze; either open intestine longitudinally or fill lumen with formalin and ligate ends.

Bacteriology: Submit each tissue in a separate, labelled whirl-pack bag. Smears for Gram stain may be made from a composite ileal/ jejunal swab (not the sections for culture) and air-dried.

Virology: Tissues may be submitted frozen, clearly labelled "Virology".

Parasitology: To make ileal mucosal smears transfer ileal mucosal scrapings to a glass slide and air dry. Fecal material should arrive at the laboratory in refrigerated condition (not frozen) as soon as possible after the sample is taken. Alternatively, feces may be preserved in 2.5% potassium dichromate solution (1 volume feces to 1 volume $K_2Cr_2O_7$ solution).