

OAHN Swine Small Scale Herd Postmortem Project

Respiratory Disease in Nursing Piglets (1-3 animals)

TISSUE SAMPLING LIST

Collect the following samples from EACH pig:

Fresh tissues: 1 sample per Whirl-Pak bag, per pig – label with stickers provided.
Formalin-fixed tissues: 1 sample jar per pig.

Tissue	Fresh (<i>plus lesions</i>)	Formalin (<i>plus lesions</i>)
Tonsil	X	X
Thyroid gland		X
Trachea		X
Thymus		X
Lung	X 3	X
Heart		X
Liver	X	X
Spleen	X	X
Kidney	X	X
Adrenal gland		X
Pancreas		X
Mesenteric lymph node	X	X
Gastrohepatic lymph node	X	X
Stomach		X
Duodenum		X
Jejunum		X
Ileum		X
Spiral colon		X
Diaphragm		X
Skeletal muscle		X
Brain (or head)	X half, sagittally sectioned (OR entire head, fresh)	X half sagittally sectioned (OR entire head, fresh)



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Fresh tissues: Use a separate Whirl-Pak bag for each sample – use provided stickers and marker to label bags with the tissue name and pig designation (pig A, B, or C).

Formalin-fixed tissues: Use 1 sample jar per pig and label with pig designation (pig A, B, or C). For solid organs, samples should be approximately 1-2 cm². For intestine, take approximately 3 cm long segments and partially open longitudinally with scissors (to allow formalin to contact the mucosal surface).

Test list (for AHL use):

Virology: PRRSV PCR *prtqn*, influenza A virus PCR *inflpcr*: lung (pool)

Bacterial culture *bsetup*, *cults*: lung (pool).

Histopathology *hist*

Freeze and hold: tonsil /spleen, lung, kidney/ liver, lymph nodes, brain.



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