

OAHN Swine Small Scale Herd Postmortem Project

Neurologic 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>include lesions</i>)	In Formalin (<i>include lesions</i>)
Tonsil	X	X
Thyroid gland		X
Trachea		X
Thymus		X
Lung	X 2	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 submit head intact)	X half, sagittally sectioned <u>AND</u> meningeal swab	X half, sagittally sectioned
Spinal cord (OR vertebral column removed <i>en bloc</i>)	X	X



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Fresh tissues: Use a separate Whirl-Pak bag for each sample –label bags with the stickers provided (tissue name), and add a pig designation (A, B, C – if >1 pig).

Formalin-fixed tissues: Use 1 sample jar per pig and label with the pig designation (A, B, 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 - included on submission form):

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

PHEV PCR *hevrt*: brainstem (pool)

Bacterial culture *bsetup, cults*: meningeal swab(s) (cultur individually)

Histopathology *hist*

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



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