

OAHN Swine Small Scale Herd Postmortem Project

Lameness in Grower-Finisher Pigs (>20 kg)

If <40 kg each, may include up to 3 pigs per case

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

Formalin-fixed tissues: 1 sample jar per pig

TISSUE SAMPLING LIST: Collect the following samples from EACH 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 and Ileum		X
Spiral colon		X
Diaphragm and skeletal muscle		X
Joints: 1 representative joint with lesions, per pig	synovium / joint capsule, swab, or aspirate X2	synovium / joint capsule
Brain (OR submit head intact)	X half sagittally sectioned AND 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 – use 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 – included on submission form) :

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

Bacterial culture *bsetup, cults*: joint swab(s), joint capsule, or aspirate (pool by pig)

Mycoplasmology: *M.hyosynoviae* and *M.hyorhinis* PCR *hsypcr, hrhpcr*: joint swab(s), joint capsule, or aspirate (pool by pig)

Histopathology *hist*

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



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