

OAHN Swine Small Scale Herd Postmortem Project

Lameness 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 (include lesions)	In Formalin (include lesions)
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
Spinal cord or intact spinal column	X	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	X half, sagittally sectioned



**ANIMAL HEALTH
LABORATORY**

Lameness in Nursing Piglets (1-3 animals)

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 jar with the appropriate 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)

Bacterial culture *bsetup, cults*: joint swab, joint capsule, or aspirate (culture individually)

Mycoplasmology: *M.hyorhinis* PCR *hrhpcr*: joint swab, joint capsule, or aspirate (pool)

Histopathology *hist*

Freeze and hold: tonsil, spleen, lung, kidney, liver, lymph nodes, brain, synovium /joint capsule or swab / aspirate.



ANIMAL HEALTH
LABORATORY