

**OAHN Swine Small Scale Herd Postmortem Project**

**Respiratory Disease in Grower-Finisher Pigs (>20 kg)**

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

**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

<b>Tissue</b>	<b>Fresh (<i>include lesions</i>)</b>	<b>In Formalin (<i>include lesions</i>)</b>
Tonsil	X	X
Thyroid gland		X
Trachea		X
Thymus		X
Lung	X 4	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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## Respiratory Disease in Grower-Finisher Pigs (>20 kg)

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

**Fresh tissues:** Use a separate Whirl-Pak bag for each sample – use provided stickers and marker to label the bag 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 cm<sup>2</sup>. 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)

Mycoplasmology: *M.hypopneumoniae* PCR *mhpcr*: 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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