

**OAHN Swine Small Scale Herd Postmortem Project**

**Gastrointestinal Disease 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:

<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 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 4	X
Spiral colon	X 3	X
Feces	X	
Diaphragm and skeletal muscle		X
Brain	X half, sagittally sectioned (OR intact head, fresh)	X half, sagittally sectioned (OR intact head, fresh)



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## Gastrointestinal 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 –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 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)

Rotavirus A/B/C PCR *rotapcr* and porcine coronavirus PCR *pcovpcr*: ileum (pool)

Bacterial culture *bsetup*, *cults*: ileum, colon (pool by pig)

Lawsonia PCR *lapcr*: ileum (pool)

Brachyspira spp PCR *brpcr* AND *bspcr*: colon (pool)

Parasitology – fecal flotation *fflot*: feces (pool)

Histopathology *hist*

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



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