

## OAHN Swine Small Scale Herd Postmortem Project

### Neurologic Disease in Nursery (Weaner) Pigs (1-3 animals <20 kg)

#### 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 <b>(OR submit head intact)</b>	X half, sagittally sectioned <u>AND</u> meningeal swab	X half, sagittally sectioned
Spinal cord <b>(OR vertebral column removed <i>en bloc</i>)</b>	X	X



ANIMAL HEALTH  
LABORATORY

## Neurologic Disease in Nursery (Weaner) Pigs (1-3 animals <20 kg)

**Fresh tissues:** Use a separate Whirl-Pak bag for each sample – use stickers and marker provided 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 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 (pooled)

PHEV PCR *hevrt*: brainstem (pooled)

Bacterial culture *bsetup, cults*: meningeal swab(s) (cultured individually by pig)

Histopathology hist

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



ANIMAL HEALTH  
LABORATORY