

## Summary Report 9/11/2015

**Table 1.** Summary of Senecavirus A PCR test results obtained by retrospectively testing swine oral fluid samples (441 Cases, 2,033 Samples, from 25 different states and a few isolated submissions from Canada and Mexico) received at the ISU VDL and UMN VDL for routine diagnostic testing between 8/24/15 to 9/01/2015 that are not otherwise known to be exhibiting clinical signs of acute lameness accompanied by the presence of vesicular lesions on the snout, coronary band, and/or hoof.

State	# of Positive Cases	# of Suspect Cases	Total # of Cases Tested	# of Positive Samples	# of Suspect Samples	Total # of Samples Tested
AR	1	0	2	18	0	20
AZ	0	0	1	0	0	5
CO	0	0	11	0	0	39
GA	0	0	2	0	0	8
IA	1	0	73	1	0	206
IL	1	0	30	2	0	126
IN	1	0	27	2	0	155
KS	0	0	3	0	0	24
KY	0	0	6	0	0	31
MI	0	0	10	0	0	73
MN	1	1	69	2	1	202
MO	0	0	18	0	0	128
NC	0	0	21	0	0	118
NE	0	0	65	0	0	266
OH	0	0	35	0	0	138
OK	0	0	13	0	0	81
PA	0	0	6	0	0	16
SC	0	0	3	0	0	16
SD	0	0	9	0	0	39
TN	0	0	1	0	0	2
TX	0	0	12	0	0	184
UT	0	0	8	0	0	32
VA	0	0	8	0	0	58
WI	0	0	3	0	0	5
WY	0	0	1	0	0	15
Canada	0	0	2	0	0	19
Mexico	0	0	2	0	0	27
<b>Totals</b>	<b>5</b>	<b>1</b>	<b>441</b>	<b>25</b>	<b>1</b>	<b>2033</b>

**Summary:** 5 cases submissions from 5 different states contained oral fluid samples testing Senecavirus A PCR positive. (i.e., 1.1 % of these Cases and 1.2% of these Samples tested Senecavirus A PCR positive) Additionally, subsequent practitioner feedback revealed that 1 of the 5 cases testing Senecavirus A PCR positive in this retrospective testing was later found to have clinical signs of vesicular disease (lesions) present.

**Please Note:** While the real-time Senecavirus A PCR assays being used at ISU VDL and UMN VDL are not considered to be fully validated on field samples at this time due to limited access to diagnostic specimens of known Senecavirus A status; the Senecavirus A PCR assays being used have thus far been producing qualitative results that are equivocal to the Senecavirus A PCR assay being used at the USDA Foreign Animal Disease Diagnostic Laboratory in Plum Island, New York.

Contributors - ISU and UMN VDL's with support of Swine Health Information Management Center