

Porcine Sapovirus, Cowden (Tissue Culture Adapted)

Catalog No. NR-50552

Product Description: Clarified cell lysate and supernatant from *Sus scrofa* kidney epithelial cells¹ infected with tissue culture adapted porcine sapovirus (PSV), Cowden

Passage History: Gnotobiotic pig (13); Primary porcine kidney cells (19); LLC-PK1 (38)

Lot²: 70002780

Manufacturing Date: 29SEP2016

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in LLC-PK1 Cells¹	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (757 nucleotides)	Consistent with PSV, Cowden	99% identity with PSV, Cowden (GenBank: AF182760)
Titer by TCID₅₀ Assay^{3,4} in LLC-PK1 Cells¹	Report results	2.8 × 10 ⁵ TCID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁵ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid	None detected None detected	None detected None detected

¹LLC-PK1 cells (ATCC® CL-101™)

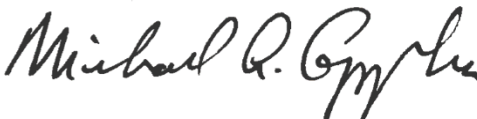
²Grown and deposited by Linda Saif, Ph.D., Food Animal Health Research Program, Ohio Agricultural Research and Development Center, Department of Veterinary Preventive Medicine, College of Veterinary Medicine, The Ohio State University, Wooster, Ohio, USA. Grown in Minimum Essential Medium with 1% non-essential amino acids (Gibco 11140050), 50 µM bile acid (glycochenodeoxycholic acid (Sigma G0759) and 1% antibiotic-antimycotic (Gibco 15240) for 2 days at 37°C and 5% CO₂.

³The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

⁴5 days at 37°C and 5% CO₂

⁵Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 06 JUL 2017

Signature: 

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