

Porcine Transmissible Gastroenteritis Virus, Purdue (attenuated)

Catalog No. NR-446

Product Description: Cell lysate and supernatant from swine testicular (ST) cells infected with the Purdue (attenuated) strain of porcine transmissible gastroenteritis virus.

Lot: 4462783

Manufacturing Date: 23SEP2004

TEST	SPECIFICATIONS	RESULTS
Plaque Reduction Assay ¹ on ST Cells (2004)	Report results	6.5 x 10 ⁷ plaque forming units/mL
Cell Culture Immunofluorescence Assay ² on ST Cells	Report results	4.9 x 10 ⁸ fluorescent focus units/mL
Antigen-Capture ELISA ³	Report results	640
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 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 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	Growth None detected

¹Bohl, E. H., et al. "Antibody Responses in Serum, Colostrum, and Milk of Swine after Infection or Vaccination with Transmissible Gastroenteritis Virus." *Infect. Immun.* 6 (1972): 289-301. PubMed: 4629259.

²Welch, S. K. and L. J. Saif. "Monoclonal Antibodies to a Virulent Strain of Transmissible Gastroenteritis Virus: Comparison of Reactivity with Virulent and Attenuated Virus." *Arch. Virol.* 101 (1988): 221-235. PubMed: 2845894.

³Titer is expressed as the reciprocal of the highest dilution that resulted in a mean absorbance greater than the mean absorbance of the mock-infected control plus three standard deviations. See, Sestak, K., et al. "Evaluation of the Baculovirus-Expressed S Glycoprotein of Transmissible Gastroenteritis Virus (TGEV) as Antigen in a Competition ELISA to Differentiate Porcine Respiratory Coronavirus from TGEV Antibodies in Pigs." *J. Vet. Diagn. Invest.* 11 (1999): 205-214. PubMed: 10353350.

⁴Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 20 JAN 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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