

Bovine Parainfluenza Virus 3, SF-4

Catalog No. NR-3234

This reagent is the property of the U.S. Government.

Product Description: Basal Medium Eagle harvested from cultures of African green monkey kidney cells infected with bovine parainfluenza virus 3 (BPIV-3), SF-4, with 4% sorbitol and 4% N-Z amine added

Lot: V-323-012-020

Manufacturing Date: ~ 1970

TEST	SPECIFICATIONS	RESULTS (APR 2012)
Identification by Infectivity Using Bovine Turbinate Cells ¹	Report results	Syncytia formation and cell rounding
Identification by Direct Fluorescent Antibody Assay ²	Report results	Fluorescence observed
Sequencing of Species-Specific Region (701 nucleotides)	Consistent with BPIV-3	Identical to BPIV-3 strain Shipping Fever, complete genome (GenBank: AF178655)
Titer by TCID ₅₀ Assay in Vero Cells with Direct Fluorescent Antibody Staining Readout ¹⁻⁴	Report results	3.2 × 10 ³ 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

¹ATCC® CCL-1390™

²Using Parainfluenza Type 3 FITC FA Conjugate (VMRD CJ-F-PI3)

³Grown in Minimum Essential Medium (Gibco® 10370-021) and 10% horse serum (ATCC® 30-2040) for 14 days at 37°C with 5% CO₂

⁴The Tissue Culture Infectious Dose 50% (TCID₅₀) 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.

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

Date: 28 JUN 2012

Signature:



Title:

Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for bovine use.

