

Bovine Coronavirus (BCoV), Mebus, Chemically Inactivated

Catalog No. NR-451

Product Description: Cell lysate and supernatant from human rectal tumor (HRT-18) cells infected with the Mebus strain of BCoV. The suspension of cell lysate and supernatant was treated with binary ethyleneimine to inactivate the virus.

Lot: 4462786

Manufacturing Date: 28AUG2005

TEST	SPECIFICATIONS	RESULTS
Plaque Reduction Assay ¹ on HRT-18 Cells	Report results	0 plaque forming units/mL
Cell Culture Immunofluorescence Assay ¹ on HRT-18 Cells	Report results	0 fluorescent focus units/mL
Antigen-Capture ELISA ²	Report results	1024
Sterility (21-day incubation) Harpo's HTYE broth ³ , 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

¹Saif, L. J., R. A. Heckert, K. L. Miller, and M. Tarek. "Cell Culture Propagation of Bovine Coronavirus." *J. Tissue Culture Methods* 11 (1988): 139-146.

²Titer is expressed as the reciprocal of the highest dilution with absorbance values greater than or equal to the mean absorbance of the mock-infected control plus three standard deviations and ratio between positive and negative coat greater than or equal to two. See, Cho, K. O., et al. "Evaluation of Concurrent Shedding of Bovine Coronavirus via the Respiratory Tract and Enteric Route in Feedlot Cattle." *Am. J. Vet. Res.* 62 (2001): 1436-1441. PubMed: 11560274.

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

Date: 14 FEB 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC® or the contributor 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 human use.