

**Bovine Coronavirus (BCoV), Mebus**

**Catalog No. NR-445**

**Product Description:** Cell lysate and supernatant from human rectal tumor (HRT-18) cells infected with the Mebus strain of BCoV.

**Lot: 4462782**

**Manufacturing Date: 27AUG2005**

TEST	SPECIFICATIONS	RESULTS
<b>Cell Culture Immunofluorescence Assay<sup>1</sup> on HRT-18 Cells</b>	Report results	2 x 10 <sup>6</sup> fluorescent focus units/mL
<b>Antigen-Capture ELISA<sup>2</sup></b>	Report results	1024
<b>Plaque Reduction Assay<sup>1</sup> on HRT-18 Cells</b>	Report results	5 x 10 <sup>6</sup> plaque forming units/mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>3</sup> , 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 <sub>2</sub>	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
<b>Mycoplasma Contamination</b> 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

<sup>1</sup>Saif, 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.

<sup>2</sup>Titer 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.

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

**Date: 03 FEB 2006**

**Signature: Signature on File**

**Title: Technical Manager, BEI Authentication**

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