

Polyclonal Anti-Bovine Coronavirus, Mebus (antiserum, Guinea Pig)

Catalog No. NR-455

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Product Description: Antiserum to the Mebus strain of bovine coronavirus (BCV) was produced by immunization of guinea pigs with inactivated virus.

Lot: 4588744

Manufacturing Date: 01APR2005

TEST	SPECIFICATIONS	RESULTS
Plaque Reduction Virus Neutralizing Assay^{1,4}	Report results	45,000
Fluorescent Focus Forming Neutralization (FFN) Assay^{2,4}	Report results	90,000
Antigen-Capture ELISA^{3,4}	Report results	102,400
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	Growth Growth Growth No growth No growth Growth Growth
Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C)	None detected	Not done

¹Titer is expressed as the reciprocal of the highest dilution producing a reduction in plaques equal to or greater than 80% compared to controls.

²Titer is expressed as the reciprocal of the highest dilution producing a reduction in focus forming units equal to or greater than 80% compared to controls.

³Titer 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.

⁴All assays were performed against the Mebus strain of BCV (BEI Resources NR-445) using HRT-18 or MDBK cells. See, Saif, L. J., et al. "Cell Culture Propagation of Bovine Coronavirus." *J. Tissue Cult. Methods* 11 (1988): 139-146.

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

Date: 27 JAN 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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