

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

Catalog No. NR-455

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For research use only. Not for human use.

NR-455 did not pass the BEI Resources quality control Sterility Test. Please see the Certificate of Analysis to determine whether or not this product is acceptable for your intended use.

Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:

Antiserum to the Mebus strain of bovine coronavirus (BCV) was produced by immunization of guinea pigs with inactivated virus. The antiserum was heat inactivated at 56°C for 30 minutes.

Material Provided:

Each vial contains approximately 1 mL of guinea pig polyclonal antiserum to the Mebus strain of BCV.

Packaging/Storage:

NR-455 was packaged in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Polyclonal Anti-Bovine Coronavirus, Mebus (antiserum, Guinea Pig), NR-455."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories, 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. Brian, D. A. "Bovine Coronavirus Strain Mebus, Complete Genome." Direct Submission, 17 Apr 2003. GenBank: U00735.
2. Saif, L. J., et al. "Cell Culture Propagation of Bovine Coronavirus." *J. Tissue Cult. Methods* 11 (1988): 139-146.
3. Mebus, C. A., et al. "Neonatal Calf Diarrhea: Propagation, Attenuation, and Characteristics of a Coronavirus-like Agent." *Am. J. Vet. Res.* 34 (1973): 145-150. PubMed: 4568246.
4. Cho, K. O., et al. "Cross-Protection Studies between Respiratory and Calf Diarrhea and Winter Dysentery Coronavirus Strains in Calves and RT-PCR and Nested PCR for Their Detection." *Arch. Virol.* 146 (2001): 2401-2419. PubMed: 11811688.
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