Bovine Coronavirus (BCoV), Mebus

Catalog No. NR-445

For research use only. Not for human use.

Contributor:
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Product Description:
Virus Classification: Nidovirales, Coronaviridae, Coronavirus, Group 2
Agent: Bovine coronavirus (BCoV)
Strain: Mebus

Original Source: Fecal sample of a calf with diarrhea

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from human rectal tumor (HRT-18) cells infected with the Mebus strain of BCoV.

Packaging/Storage:
NR-445 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Growth Conditions:
Host: HRT-18 cells
Growth Medium: Minimum Essential Medium (supplemented with 1% nonessential amino acids, 2% sodium bicarbonate and 1% antibiotics)
Infection: Cells should be approximately 2 to 3 days old
Incubation: 4 to 5 days at 37°C
Cytopathic Effect: Fused, rounded cells, syncytia formation, detached cells
Alternate Hosts: Madin-Darby bovine kidney (MDBK) or bovine turbinate (BT-13) cells

Note: BCoV is sensitive to ultraviolet light, high temperature and strong mechanical agitation.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Bovine Coronavirus (BCoV), Mebus, NR-445.”

Biosafety Level: 2


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References:


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