Recombinant Murine Coronavirus, icA59

Catalog No. NR-43000

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

**Virus Classification:** Coronaviridae, Coronavirinae, Betacoronavirus

**Species:** Murine coronavirus, (formerly murine hepatitis virus (MHV), formerly mouse hepatitis virus)

**Strain:** icA59

**Comments:** NR-43000 is a recombinant murine coronavirus that was produced using a vaccinia virus-based reverse genetics system, and derived from cloned, full-length MHV-A59 cDNA. The complete genome of the recombinant strain has been sequenced (GenBank: KF268337).

**Material Provided:**
Each vial contains approximately 1 mL of clarified cell lysate and supernatant from *mus musculus* liver epithelial cells infected with recombinant murine coronavirus, icA59.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**
NR-43000 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. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**
- **Host:** NCTC clone 1469 cells (ATCC® CCL-9.1™)
- **Growth Medium:** Dulbecco’s Modified Eagle Medium supplemented with 2% horse serum
- **Infection:** Cells should be 80% to 90% confluent
- **Incubation:** 2 to 4 days at 37°C and 5% CO₂
- **Cytopathic Effect:** Cell enlargement and detachment

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Recombinant Murine Coronavirus, icA59, NR-43000.”

**Biosafety Level:** 2

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**References:**
1. ICTV Taxonomy History for Murine coronavirus

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