Lymphocytic Choriomeningitis Virus, Armstrong

Catalog No. NR-15743
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Manufacturer:
BEI Resources

Product Description:

- **Virus Classification:** Arenaviridae, Mammarenavirus
- **Species:** Lymphocytic choriomeningitis mammarenavirus
- **Strain:** Armstrong
- **Original Source:** Lymphocytic choriomeningitis virus (LCMV), was first isolated by Armstrong and Lillie in 1933 while attempting to transmit infectious material from a fatal case of the 1933 St. Louis encephalitis epidemic. An apparently identical virus was subsequently isolated from two men suffering from acute bacteria-free lymphocytic meningitis in 1934.
- **Comments:** The taxonomy of the family Arenaviridae has recently been revised with the creation of a new genus (Reptarenavirus) and the renaming of the genus Arenavirus as Mammarenavirus. Thus, Lymphocytic choriomeningitis mammarenavirus is the new taxonomic home of LCMV.

Material Provided:
Each vial contains approximately 1 mL of clarified supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with LCMV, Armstrong.

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

Packaging/Storage:
NR-15743 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:** Vero E6 cells (ATCC® CRL-1586)
- **Growth Medium:** Eagle’s Minimum Essential Medium containing 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 mg/mL sodium bicarbonate, supplemented with 2% fetal bovine serum
- **Infection:** Cells should be 60% to 70% confluent
- **Incubation:** 10 to 14 days at 37°C and 5% CO₂
- **Cytopathic Effect:** Little or none observed

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Lymphocytic Choriomeningitis Virus, Armstrong, NR-15743.”

Biosafety Level: 3

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References:
4. ICTV Taxonomy History for Lymphocytic choriomeningitis mammarenavirus

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