Camelpox Virus, V78-I-2379

Catalog No. NR-49736

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Virus Classification: Poxviridae, Orthopoxvirus
Agent: Camelpox virus (CMLV)
Strain/Isolate: V78-I-2379
Source: CMLV, V78-I-2379 was isolated from a human in Somalia on November 14, 1978.¹ The exact passage history of CMLV, V78-I-2379 is unknown.
Comments: CMLV was originally isolated in the early 1970s at the outset of the global smallpox eradication campaign.² The genome of CMLV is more closely related to variola virus than any other known orthopoxvirus.³

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial (BSC40) cells infected with CMLV, V78-I-2379.

Packaging/Storage:
NR-49736 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: BSC40 cells (ATCC® CRL-2761™)
Growth Medium: Dulbecco’s Modified Eagle’s Medium containing 4 mM L-glutamine, 4500 mg per L glucose, 1 mM sodium pyruvate, and 1500 mg per L sodium bicarbonate, supplemented with 2% fetal bovine serum
Infection: Cells should be 70 to 80% infected
Incubation: 1 to 6 days at 37°C and 5% CO²
Cytopathic Effect: Syncytia formation and cell detachment

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Camelpox Virus, V78-I-2379, NR-49736.”

Biosafety Level: 3

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References:
1. Olson, V., Personal Communication.

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