Product Information Sheet for NR-28528

Human Respiratory Syncytial Virus, A1998/12-21

Catalog No. NR-28528

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Virus Classification: Paramyxoviridae, Pneumovirinae, Pneumovirus, Human respiratory syncytial virus
Species: Human respiratory syncytial virus
Strain: A1998/12-21
Original Source: Human respiratory syncytial virus (RSV), A1998/12-21 was isolated from a nasal wash from an infant with RSV bronchiolitis in Nashville, Tennessee on December 12, 1998.1
Comments: A1998/12-21 is one of six clinical RSV isolates that recently were shown to induce variable disease severity, lung interleukin-13 (IL-13) levels, and gob-5 levels in BALB/cJ mice.2 IL-13 is a cytokine linked to mucus production and gob-5 is a calcium-activated chloride channel family member implicated in airway inflammation.3,4 Compared to mock infection, RSV A1998/12-21 infection led to relatively high levels of gob-5 in lung tissue, but no significant elevation in IL-13 expression, and no weight loss in infected mice.2

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from HEp-2 cells (ATCC® CCL-23™) infected with human respiratory syncytial virus, A1998/12-21.

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

Packaging/Storage:
NR-28528 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: HEp-2 cells (ATCC® CCL-23™)
Growth Medium: Eagle’s Minimum Essential Medium supplemented with 2% fetal bovine serum
Infection: Cells should be 60% to 80% confluent

Incubation: 3 to 7 days at 37°C and 5% CO2
Cytopathic Effect: Rounding and sloughing

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Human Respiratory Syncytial Virus, A1998/12-21, NR-28528.”

Biosafety Level: 2

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References:

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