Product Information Sheet for NR-137

Hepatitis A Virus, HM175/18f

Catalog No. NR-137
Derived from ATCC® VR-1402™

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Virus Classification: Picornaviridae, Hepatovirus
Species: Hepatitis A virus
Strain/Isolate: HM175/18f (HM175 cytopathic clone B)
Original Source: Hepatitis A virus, HM175 was isolated from the feces of a patient with acute viral hepatitis during an outbreak of hepatitis A in a semirural area on the outskirts of Melbourne, Australia during October/November of 1976. The sample was collected one week after the onset of symptoms and the virus was initially passaged through marmosets, isolated from marmoset liver on primary African green monkey kidney (AGMK) cells and subsequently passaged and plaque-purified in BS-C-1 cells. Strain HM175/18f demonstrates a rapid replication/cytopathic effect (RR/CPE+) phenotype in BS-C-1 cells but retains the antigenic characteristics of low culture passage hepatitis A virus.

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Macaca mulatta kidney FRhK-4 cells (ATCC® CRL-1688™) infected with HM175/18f.

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

Packaging/Storage:
NR-137 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -80°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: FRhK-4 cells (ATCC® CRL-1688™)
Growth Medium: Eagle’s Minimum Essential Medium containing Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent
Infection: Cells should be 80% confluent. Thaw virus rapidly in a 37°C water bath. Then adsorb diluted virus to cells for one hour at 35°C; MOI = 0.01.
Incubation: 6 to 7 days at 35°C and 5% CO2
Cytopathic Effect: Refractile rounding and sloughing

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Hepatitis Virus, HM175/18f, NR-137.”

Biosafety Level: 2

Disclaimers:
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