Hepatitis A Virus, HM175/18f

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

For research use only. Not for use in humans.

Contributor:
Stanley M. Lemon, M.D., Professor, Division of Infectious Diseases, University of North Carolina School of Medicine, Chapel Hill, North Carolina, USA

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, HM175/18f 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 marmoset liver on primary African green monkey kidney (BS-C-1) 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. Comments: The complete genome of hepatitis A virus, HM175/18f has been sequenced (GenBank: KP879216).

Material Provided:
Each vial contains approximately 1.0 mL of cell lysate and supernatant from Macaca mulatta fetal kidney cells (FRhK-4) infected with hepatitis A virus, 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 -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: Macaca mulatta fetal kidney cells (FRhK-4; 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 70% to 90% confluent
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 A Virus, HM175/18f, NR-137.”

Biosafety Level: 2

Disclaimers:
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:
This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

ATCC® is a trademark of the American Type Culture Collection.