Product Information Sheet for HM-605

Bacteriophage JBD90, Infectious for Pseudomonas aeruginosa

Catalog No. HM-605

For research use only. Not for human use.

Contributor:
Alan Davidson, Ph.D., Professor, Department of Molecular Genetics, University of Toronto, Toronto, Ontario, Canada

Manufacturer:
BEI Resources

Product Description:

Host: Pseudomonas aeruginosa

Original Source: Bacteriophage JBD90 was isolated from a diverse panel of clinical and environmental isolates of Pseudomonas aeruginosa (P. aeruginosa) by inducing resident prophages.1,3

Comments: Bacteriophage JBD90 (HMP ID 9908) is a reference genome for The Human Microbiome Project (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of bacteriophage JBD90 was sequenced at the J. Craig Venter Institute (GenBank: KMG926247).3

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

Bacteriophage JBD90 is a highly selective virus that is extremely effective at lysing P. aeruginosa, the second most common pathogen responsible for hospital-acquired bacterial pneumonia and the first causative agent of morbidity and mortality in cystic fibrosis patients.4,5 Bacteriophage JBD90 is an unclassified dsDNA virus with no RNA stage.

Material Provided:
Each vial contains approximately 0.5 mL of bacteriophage in Luria-Burta (LB) broth supplemented with 10 mM MgSO4 and glycerol.

Packaging/Storage:
HM-605 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -20°C or colder immediately upon arrival. For long-term storage, the product should be stored at -80°C or colder or in the vapor phase of a liquid nitrogen freezer. Freeze-thaw cycles should be avoided.

Growth Conditions:

Host: P. aeruginosa (strain PA01 recommended)
Grow medium for host:
Tryptic Soy broth or equivalent
Tryptic Soy agar or equivalent
Incubation of host:

Temperature: 37°C
Atmosphere: Aerobic

Growth medium for bacteriophage:

Incubation of host with bacteriophage:
Temperature: 30°C
Atmosphere: Aerobic

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:
1. Davidson, A., Personal Communication.
2. HMP ID 9908 (Bacteriophage JBD90)

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