Product Information Sheet for HM-1033

Clostridium sp., Strain KLE 1755

Catalog No. HM-1033

For research use only. Not for human use.

Contributors:
Kim Lewis, Professor, Department of Biology, Northeastern University, Boston, Massachusetts, USA

Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Clostridiaceae*, *Clostridium*
Family: *Clostridium*
Strain: KLE 1755
Original Source: *Clostridium* sp., strain KLE 1755 was isolated on May 21, 2012, from a human fecal sample from an anonymous healthy male donor in Boston, Massachusetts, USA.[1]
Comments: *Clostridium* sp., strain KLE 1755 (HMP ID 1548) 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 *Clostridium* sp., strain KLE 1755 was sequenced at the Genome Institute at Washington University (GenBank: AWST00000000).
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.

Clostridium species are Gram-positive, spore-forming, obligate anaerobes that are ubiquitous in virtually all anoxic habitats where organic compounds are found, especially soils, aquatic sediments and the intestinal tracts of animals and humans. A few *Clostridium* species are pathogenic, producing the most potent biological toxins known to affect humans.[2]

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Modified Reinforced Clostridial broth supplemented with 10% glycerol.

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

Packaging/Storage:
HM-1033 was packaged aseptically in 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:
Media:
Modified Reinforced Clostridial broth or Modified Chopped Meat medium or equivalent
Tryptic Soy agar with 5% sheep blood or equivalent
Incubation:
Temperature: 37°C
Atmosphere: Anaerobic
Propagation:
1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 24 to 48 hours.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Clostridium* sp., Strain KLE 1755, HM-1033."

Biosafety Level: 2
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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

BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

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. Strandwitz, P. Personal Communication.
2. Mallozzi, M., V. K. Viswanathan and G. Vedantam. "Spore-Forming Bacilli and Clostridia in Human Disease." Future Microbiol. 5 (2010): 1109-1123. PubMed: 20632809.
3. HMP ID 1548 (*Clostridium* sp., strain KLE 1755)

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898