Product Information Sheet for HM-793

Clostridiales sp., Strain HPP0074

Catalog No. HM-793

For research use only. Not for human use.

Contributor:
Thomas M. Schmidt, Professor, Department of Microbiology and Molecular Genetics, Michigan State University, East Lansing, Michigan, USA

Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Clostridiales
Strain: HPP0074

Original Source: Clostridiales sp., strain HPP0074 was obtained from a biopsy of ileal-anal pouch mucosa of a human subject. The 16S ribosomal RNA gene sequence obtained from HM-793 aligns favorably with Blautia sp.

Comments: Clostridiales sp., strain HPP0074 (HMP ID 1215) 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 Clostridiales sp., strain HPP0074 was sequenced at the Broad Institute (GenBank: AGEV00000000).

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.

Closestridiales bacteria are generally Gram-positive, rod-shaped, 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. Bacteria of the order Clostridiales have a Gram-positive cell wall but may stain Gram-variable or Gram-negative. Most species have the ability to form spores and a few are pathogenic, producing very potent biological toxins known to affect humans.

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Chopped Meat Carbohydrate broth supplemented with 10% glycerol.

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

Packaging/Storage:
HM-793 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:
Chopped Meat Carbohydrate broth or equivalent
Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

Note: HM-793 did not grow on Tryptic Soy agar with 5% defibrinated sheep blood

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 2 to 3 days.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Clostridiales sp., Strain HPP0074, HM-793.”

Biosafety Level: 2

Disclaimers:
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References:
2. HMP ID 1215 (Clostridiales sp., strain HPP0074)

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