Product Information Sheet for HM-176

Coprobacillus sp., Strain 8_2_54BFAA

Catalog No. HM-176

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Erysipelotrichaceae*, *Coprobacillus*
Species: *Coprobacillus* sp.
Strain: 8_2_54BFAA
Original Source: *Coprobacillus* sp., strain 8_2_54BFAA was isolated in 2007 from inflamed biopsy tissue taken from the gut of a 74-year-old male patient with Crohn's disease in Calgary, Alberta, Canada.[1,2]
Comments: *Coprobacillus* sp., strain 8_2_54BFAA (HMP ID 0978) 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 *Coprobacillus* sp., strain 8_2_54BFAA was sequenced at the Broad Institute (GenBank: ACTG00000000).
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.

Coprobacillus species are Gram-positive, obligately anaerobic, non-spore-forming, rod-shaped bacteria commonly found in human feces.[3]

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Supplemented Tryptic Soy broth supplemented with 10% glycerol.

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

Packaging/Storage:

HM-176 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:

Media:
Supplemented Tryptic Soy broth, Modified Chopped Meat medium or equivalent
Tryptic Soy agar with 5% sheep blood or equivalent
Incubation:
Temperature: 37°C
Atmosphere: Anaerobic (90% N_2:5% CO_2:5% H_2)
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 up to 5 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Coprobacillus* sp., Strain 8_2_54BFAA, HM-176."

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:

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References:

1. E. Allen-Vercoe, Personal Communication.
2. HMP ID 0978 *Coprobacillus* sp., strain 8_2_54BFAA)
3. Kageyama, A. and Y. Benno. "*Coprobacillus catenaformis* gen. nov., sp. nov., a New Genus and Species Isolated from Human Feces." Microbiol. Immunol. 44 (2000): 23-28. PubMed: 10711596.

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