Bacteroides caccae, Strain CL03T12C61

Catalog No. HM-728

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bacteroidaceae, Bacteroides*
Species: *Bacteroides caccae*
Strain: CL03T12C61
Original Source: *Bacteroides caccae (B. caccae)*, strain CL03T12C61 was isolated from healthy adult human feces in Massachusetts, USA.[1,2]
Comments: *B. caccae*, strain CL03T12C61 (HMP ID 1061) 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 *B. caccae*, strain CL03T12C61 was sequenced at the Broad Institute (GenBank: AGXF00000000).
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.

B. caccae is a Gram-negative, anaerobic, non-motile bacterium that is a normal colonic commensal.[3] *Bacteroides* species maintain a complex and usually beneficial host relationship when retained in the gut, but when they escape this environment they can cause significant pathology.[4]

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-728 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 equivalent
Tryptic Soy agar with 5% defibrinated 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 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: *Bacteroides caccae*, Strain CL03T12C61, HM-728."

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. Comstock, L. E., Personal Communication.
2. HMP ID 1061 (*Bacteroides caccae*, strain CL03T12C61)
3. Johnson, J. L., W. E. C. Moore and L. V. H. Moore. "*Bacteroides caccae* sp. nov., *Bacteroides merdae* sp. nov., and *Bacteroides stercoris* sp. nov. Isolated from Human Feces." Int. J. Syst. Bacteriol. 36 (1986): 499-501.
4. Wexler, H. M. "*Bacteroides*: the Good, the Bad, and the Nitty-Gritty." Clin. Microbiol. Rev. 20 (2007): 593-621. PubMed: 17934076.

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