Product Information Sheet for HM-1036

Bacteroides stercoris, Strain CC31F

Catalog No. HM-1036

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bacteroidaceae*, *Bacteroides*
Species: *Bacteroides stercoris*
Strain: CC31F
Original Source: *Bacteroides stercoris (B. stercoris)*, strain CC31F was isolated in 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada.[1,2]
Comments: *B. stercoris*, strain CC31F (HMP ID 1181) 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. stercoris*, strain CC31F was sequenced at the Broad Institute (GenBank: ATFP00000000).
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. stercoris is typically 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-1036 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% 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 stercoris*, Strain CC31F, HM-1036."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Allen-Vercoe, E., Personal Communication.
2. HMP ID 1181 (*Bacteroides stercoris*, strain CC31F)
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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