Bacteroides salyersiae, Strain CL02T12C01

Catalog No. HM-725

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 salyersiae*
Strain: CL02T12C01
Original Source: *Bacteroides salyersiae* (*B. salyersiae*), strain CL02T12C01 was isolated from healthy adult human feces in Boston, Massachusetts, USA.[1,2]
Comments: *B. salyersiae*, strain CL02T12C01 (HMP ID 1071) 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. salyersiae*, strain CL02T12C01 was sequenced at the Broad Institute (GenBank: AGXV00000000).
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. salyersiae is a Gram-negative, anaerobic, rod-shaped bacterium that is a normal human gut 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-725 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% 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 salyersiae*, Strain CL02T12C01, HM-725."

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 (BMBL). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

Disclaimers:

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References:

1. Comstock, L. E., Personal Communication.
2. HMP ID 1071 (*Bacteroides salyersiae*, strain CL02T12C01)
3. Song. Y. L., et al. "*"Bacteroides nordii"* sp. nov. and *"Bacteroides salyersae"* sp. nov. Isolated from Clinical Specimens of Human Intestinal Origin." J. Clin. Microbiol. 42 (2004): 5565-5570. PubMed: 15583282.
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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