Clostridium innocuum, Strain 6_1_30

Catalog No. HM-173

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Clostridiaceae*, *Clostridium*
Species: *Clostridium innocuum*
Strain: 6_1_30
Original Source: *Clostridium innocuum (C. innocuum)*, strain 6_1_30 was isolated in 2007 from the colon of a patient undergoing a colon cancer screen procedure in Calgary, Alberta, Canada.[1,2]
Comments: *C. innocuum*, strain 6_1_30 (HMP ID 976) 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 *C. innocuum* 6_1_30 is currently being sequenced at the Broad Institute.
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.

C. innocuum is a Gram-positive, spore-forming, obligate anaerobe belonging to the normal intestinal flora of humans. It is one of the species which have been reported to cause human infections, such as intra-abdominal sepsis, bacteremia, and endocarditis.[3,4]

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-173 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 media 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 1 day.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Clostridium innocuum*, Strain 6_1_30, HM-173."

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.

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References:

1. Allen-Vercoe, E., Personal Communication.
2. HMP ID 976 (*Clostridium innocuum*, strain 6_1_30)
3. Smith, L. D. and E. King. "*Clostridium innocuum*, sp. n., a Spore-Forming Anaerobe Isolated from Human Infections." J. Bacteriol. 83 (1962): 938-939. PubMed: 13914326.
4. Mory, F., et al. "Low-Level Vancomycin Resistance in *Clostridium innocuum*." J. Clin. Microbiol. 36 (1998): 1767-1768. PubMed: 9620417.

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