Product Information Sheet for HM-1192

Catabacter hongkongensis, Strain AB8_9

Catalog No. HM-1192

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Catabacteriaceae, Catabacter*
Species: *Catabacter hongkongensis*
Strain: AB8_9
Note: The strain designation, strain AB8 #9, on the vial label for lot 63980302 is incorrect. The correct strain designation is AB8_9.
Original Source: *Catabacter hongkongensis* (*C. hongkongensis*), strain AB8_9 was isolated from human stool in Guelph, Ontario, Canada.[1,2]
Comments: *C. hongkongensis*, strain AB8_9 (HMP ID 2052) 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. hongkongensis*, strain AB8_9 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. hongkongensis is an anaerobic, motile, Gram-positive bacillus typically isolated from blood samples of patients with intestinal or biliary sepsis.[3-5] Poor prognosis and high mortality rates are associated with *C. hongkongensis* bacteremia, especially in patients with advanced malignancies.[5,6] *C. hongkongensis* has been isolated from the intestinal tract of dugong and in environmental samples, including contaminated water supplies, suggesting that it may be a member of the gut flora.[7-9]

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-1192 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 1 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: *Catabacter hongkongensis*, Strain AB8_9, HM-1192."

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:

You are authorized to use this product for research use only. It is not intended for human use.

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References:

1. Allen-Vercoe, E., Personal Communication.
2. HMP ID 2052 (*C. hongkongensis*, strain AB8_9)
3. Lau, S. K., et al. "*Catabacter hongkongensis* gen. nov., sp. nov., Isolated from Blood Cultures of Patients from Hong Kong and Canada." J. Clin. Microbiol. 45 (2007): 395-401. PubMed: 17122022.
4. Lau, S. K., et al. "Draft Genome Sequence of *Catabacter hongkongensis* Type Strain HKU16^T, Isolated from a Patient with Bacteremia and Intestinal Obstruction." Genome Announc. 21 (2015): e00531-15. PubMed: 25999561.
5. Lau, S. K., et al. "High Mortality Associated with *Catabacter hongkongensis* Bacteremia." J. Clin. Microbiol. 50 (2012): 2239-2243. PubMed: 22518872.
6. Smith, K., S. K. Pandey and J. E. Ussher. "Bacteraemia Caused by *Catabacter hongkongensis*." Anaerobe 18 (2012): 366-368. PubMed: 22710415.
7. Tsukinowa, E., et al. "Fecal Microbiota of a Dugong (*Dugong dugong*) in Captivity at Toba Aquarium." J. Gen. Appl. Microbiol. 54 (2008): 25-38. PubMed: 18323679.
8. Brodie, E. L., et al. "Urban Aerosols Harbor Diverse and Dynamic Bacterial Populations." Proc. Natl. Acad. Sci. USA 104 (2007): 299-304. PubMed: 17182744.
9. Ishii, S., Y. Hotta and K. Watanabe. "Methanogenesis Versus Electrogenesis: Morphological and Phylogenetic Comparisons of Microbial Communities." Biosci. Biotechnol. Biochem. 72 (2008): 286-294. PubMed: 18256466.

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