

Product Information Sheet for HM-852

***Sutterella wadsworthensis*, Strain HGA0223**

Catalog No. HM-852

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Sutterellaceae*, *Sutterella*

Species: *Sutterella wadsworthensis*

Strain: HGA0223

Original Source: *Sutterella wadsworthensis* (S. *wadsworthensis*), strain HGA0223 was isolated from a biopsy of large intestine mucosa of a human subject in the United States.^{1,2}

Comments: *S. wadsworthensis*, strain HGA0223 (HMP ID 1476) 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 *S. wadsworthensis*, strain HGA0223 was sequenced at the [Broad Institute](#) (GenBank: [ATCF00000000](#)).

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.

S. wadsworthensis is a microaerophilic, Gram-negative, rod-shaped bacterium that is isolated mainly from the intestinal tract.³ It is believed to be a commensal organism but has also been isolated from gastrointestinal infections, appendicitis, peritonitis, intra-abdominal abscesses and less frequently from brain abscess, pleural empyema, osteomyelitis, purulent arthritis and bacteremia.⁴⁻⁶

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Modified Chopped Meat medium containing 6% formate and 6% fumarate supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

HM-852 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 Chopped Meat medium containing 6% formate and 6% fumarate 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: *Sutterella wadsworthensis*, Strain HGA0223, HM-852."

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. [HMP ID 1476](#) (*S. wadsworthensis*, strain HGA0223)
2. Schmidt, T. M., Personal Communication.
3. Wexler, H. M., et al. "*Sutterella wadsworthensis* gen. nov., sp. nov., Bile-Resistant Microaerophilic *Campylobacter gracilis*-Like Clinical Isolates." *Int. J. Syst. Bacteriol.* 46 (1996): 252-258. PubMed: 8573504.
4. Finegold, S. M. and H. Jousimies-Somer. "Recently Described Clinically Important Anaerobic Bacteria: Medical Aspects." *Clin. Infect. Dis.* 25 (1997): S88-S93. PubMed: 9310641.
5. Mukhopadhyay, I., et al. "A Comprehensive Evaluation of Colonic Mucosal Isolates of *Sutterella wadsworthensis* from Inflammatory Bowel Disease." *PLoS One* 6 (2011): e27076. PubMed: 22073125.
6. Hansen, R., et al. "The Microaerophilic Microbiota of *de-novo* Paediatric Inflammatory Bowel Disease: The BISCUIT Study." *PLoS One* 8 (2013): e58825. PubMed: 23554935.

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