

***Veillonella* sp., Strain ACP1**

Catalog No. HM-778

For research use only. Not for human use.

Contributors:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Veillonellaceae*, *Veillonella*

Species: *Veillonella* sp.

Strain: ACP1

Original Source: *Veillonella* sp., strain ACP1 is a human oral isolate.^{1,2}

Comments: *Veillonella* sp., strain ACP1 ([HMP ID 1151](#)) 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 *Veillonella* sp., strain ACP1 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [ALKL00000000](#)).

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.

Veillonella species are typically anaerobic, non-sporulating, Gram-negative cocci that commonly inhabit the mouth and respiratory and intestinal tracts of humans and animals.³ Generally, *Veillonella* sp. are not able to ferment carbohydrates but are able to ferment organic acids such as lactate and pyruvate.^{3,4} Although *Veillonella* species are considered to be of low virulence, they may cause infection by themselves or as part of a polymicrobial infection in certain instances.⁵

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Reinforced Clostridial medium with sodium lactate supplemented with 5% dimethylsulfoxide (DMSO).

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

Packaging/Storage:

HM-778 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:

Reinforced Clostridial medium with sodium lactate or equivalent

Reinforced Clostridial medium with sodium lactate agar 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 48 to 72 hours.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Veillonella* sp., Strain ACP1, HM-778.”

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/bmb15/index.htm.

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References:

1. Sizova, M. V., et al. "New Approaches for Isolation of Previously Uncultivated Oral Bacteria." Appl. Environ. Microbiol. 78 (2012): 194-203. PubMed: 22057871.
2. [HMP ID 1151](#) (*Veillonella* sp., strain ACP1)
3. Mays, T. D., et al. "Taxonomy of the Genus *Veillonella* Prévot." Int. J. Syst. Bacteriol. 32 (1982): 28-36.
4. Sato, T., et al. "PCR-Restriction Fragment Length Polymorphism Analysis of Genes Coding for 16S rRNA in *Veillonella* spp." Int. J. Syst. Bacteriol. 47 (1997): 1268-1270. PubMed: 9336941.
5. Brook, I. "*Veillonella* Infections in Children." J. Clin. Microbiol. 34 (1996): 1283-1285. PubMed: 8727920.

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