

Veillonella sp., Strain 3_1_44

Catalog No. HM-64

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Veillonellaceae*, *Veillonella*

Species: *Veillonella* sp.

Strain: 3_1_44

Original Source: *Veillonella* sp., strain 3_1_44 was isolated in 2007 from biopsy tissue taken from the descending colon of a 25-year-old male patient with remittent Crohn's disease in Calgary, Alberta, Canada.^{1,2}

Comments: *Veillonella* sp., strain 3_1_44 ([HMP ID 0873](#)) 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 3_1_44 was sequenced at the [Broad Institute](#) (GenBank: [ADCV00000000](#)).

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 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 broth with 1.5% 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-64 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 broth with 1.5% sodium lactate or equivalent

Reinforced Clostridial agar with 1.5% sodium lactate or 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 days.

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 3_1_44, HM-64."

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*. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Allen-Vercoe, E., Personal Communication.
2. [HMP ID 0873](#) (*Veillonella* sp., Strain 3_1_44)
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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