

***Gemella asaccharolytica*, Strain KA00071**

Catalog No. HM-1242

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bacillales Family XI. Incertae Sedis, Gemella*

Species: *Gemella asaccharolytica*

Strain: KA00071

Original Source: *Gemella asaccharolytica* (*G. asaccharolytica*), strain KA00071 is a vaginal isolate obtained in November 2012 from a woman with bacterial vaginosis.^{1,2}

Comments: *G. asaccharolytica*, strain KA00071 ([HMP ID 1871](#)) 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 *G. asaccharolytica*, strain KA00071 was sequenced at the Genome Institute at [Washington University](#) (GenBank: [LSDB00000000](#)).

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.

G. asaccharolytica is an anaerobic, Gram-variable, non-motile coccus isolated from human skin wounds and patients with bacterial vaginosis and chorioamnionitis.^{1,3,4} *G. asaccharolytica* strains are asaccharolytic and do not produce acid from glucose or other carbohydrates, a characteristic which is useful in distinguishing it from other *Gemella* species.³

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Brain Heart Infusion broth supplemented with 10% glycerol.

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

Packaging/Storage:

HM-1242 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:

Brucella broth supplemented with 5% defibrinated sheep blood or Modified PYG (Peptone-Yeast-Glucose) medium¹ or equivalent

Brucella agar or Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood or Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

Note: Growth in broth is not recommended.

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 7 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Gemella asaccharolytica*, Strain KA00071, HM-1242."

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. Fredricks, D. N., Personal Communication.
2. [HMP ID 1871](#) (*Gemella asaccharolytica*, strain KA00071)
3. Ulger-Toprak, N., et al. "*Gemella asaccharolytica* sp. nov., Isolated from Human Clinical Specimens." Int. J. Syst. Evol. Microbiol. 60 (2010): 1023-1026. PubMed: 19666813.
4. Carlstein, C., L. M. Soes and J. J. Christensen. "*Aerococcus christensenii* as Part of Severe Polymicrobial Chorioamnionitis in a Pregnant Woman." Open Microbiol. J. 10 (2016): 27-31. PubMed: 27014376.

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