

**Parvimonas sp., Strain KA00067**

**Catalog No. HM-1253**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Peptoniphilaceae*, *Parvimonas*

Species: *Parvimonas* sp.

Strain: KA00067

Original Source: *Parvimonas* sp., strain KA00067 is a vaginal isolate obtained in November 2012 from a woman with bacterial vaginosis in Washington, USA.<sup>1,2</sup>

Comments: *Parvimonas* sp., strain KA00067 ([HMP ID 3181](#)) 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 *Parvimonas* sp., strain KA00067 was sequenced at the Genome Institute at [Washington University](#) (GenBank: [LSDF00000000](#)).

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.

*Parvimonas* species are obligately anaerobic, non-sporulating, Gram-positive cocci that commonly inhabit the human oral cavity and is increasingly been detected in the gastro-intestinal and female genito-urinary tract.<sup>3-5</sup> The earlier name for this genera was *Micromonas* which was recently replaced by *Parvimonas*, with *Parvimonas micra* as the only recognized species in the genus.<sup>3,6</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Chopped Meat Carbohydrate medium with 0.1% Tween 80 supplemented with 10% glycerol.

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

**Packaging/Storage:**

HM-1253 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:

Chopped Meat Carbohydrate medium with 0.1% Tween 80 or modified Peptone-Yeast extract-Glucose (PYG) broth<sup>1</sup> or equivalent

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

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: *Parvimonas* sp., Strain KA00067, HM-1253."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Fredricks, D. N., Personal Communication.
2. [HMP ID 3181](#) (*Parvimonas* sp., strain KA00067)
3. Murdoch, D. A. and H. N. Shah. "Reclassification of *Peptostreptococcus magnus* (Prevot 1933) Holdeman and Moore 1972 as *Fingoldia magna* comb. nov. and *Peptostreptococcus micros* (Prevot 1933) Smith 1957 as *Micromonas micros* comb. nov.." *Anaerobe* 5 (1999): 555-559.
4. Onderdonk, A. B., M. L. Delaney and R. N. Fichorova. "The Human Microbiome During Bacterial Vaginosis." *Clin Microbiol Rev.* 29 (2016): 223-38. PubMed: 26864580.
5. Murphy, E. C. and I. M. Frick. "Gram-Positive Anaerobic Cocci-Commensals and Opportunistic Pathogens." *FEMS Microbiol Rev.* 37 (2013): 520-53. PubMed: 23030831.
6. Tindall, B. J. and J. P. Euzéby. "Proposal of *Parvimonas* gen. nov. and *Quatrionicoccus* gen. nov. as Replacement for the Illegitimate, Prokaryotic, Generic Names *Micromonas* Murdoch and Shah 2000 and *Quadricoccus* Maszenan et al. 2002, Respectively." *Int. J. Syst. Evol. Microbiol.* 56 (2006): 2711-2713. PubMed: 17082417.

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