

Product Information Sheet for HM-563

Parvimonas sp., Oral Taxon 393, Strain F0440

Catalog No. HM-563

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Peptoniphilaceae*, *Parvimonas*^{1,2}

Species: *Parvimonas* sp.

Subtaxon: Oral Taxon 393

Strain: F0440

Original Source: *Parvimonas* sp., Oral Taxon 393, strain F0440 is a human oral isolate from the United Kingdom.^{3,4}

Comments: *Parvimonas* sp., Oral Taxon 393, strain F0440 (HMP ID 9127) 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., Oral Taxon 393, strain F0440 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [AFUS00000000](#)).

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 mouth and likely the gastro-intestinal and female genito-urinary tract.⁵ The only currently recognized species in the genus, *Parvimonas micra*, is a putative periodontal pathogen, known for involvement in polymicrobial infections of patients with refractory periodontitis.⁶

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Chopped Meat Carbohydrate medium with 0.1% cellobiose, 0.1% maltose, 0.1% starch and 0.1% Tween 80 supplemented with 5% DMSO.

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

Packaging/Storage:

HM-563 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% cellobiose, 0.1% maltose, 0.1% starch and 0.1% Tween 80 (ATCC medium 1102) 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 5 to 6 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., Oral Taxon 393, Strain F0440, HM-563."

Biosafety Level: 1

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. Johnson, C. N., et al. "*Peptoniphilus stercorisuis* sp. nov., Isolated from a Swine Manure Storage Tank and Description of *Peptoniphilaceae* fam. nov." Int. J. Syst. Evol. Microbiol. 64 (2014): 3538-3545. PubMed: 25056296.
2. Tindall, B. J. and J. P. Euzéby. "Proposal of *Parvimonas* gen. nov. and *Quatrionococcus* gen. nov. as Replacements 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.
3. Izard, J., Personal Communication.
4. [HMP ID 9127](#) (*Parvimonas* sp., Oral Taxon 393, strain F0440)
5. Murdoch, D. A. and H. N. Shah. "Reclassification of *Peptostreptococcus magnus* (Prevot 1933) Holdeman and Moore 1972 as *Finegoldia magna* comb. nov. and *Peptostreptococcus micros* (Prevot 1933) Smith 1957 as *Micromonas micros* comb. nov." Anaerobe 5 (1999): 555-559.
6. Colombo, A. P. V., et al. "Comparisons of Subgingival Microbial Profiles of Refractory Periodontitis, Severe Periodontitis, and Periodontal Health Using the Human Oral Microbe Identification Microarray." J. Periodontol. 80 (2009): 1421-1432. PubMed: 19722792.

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