

# Product Information Sheet for HM-730

## ***Parabacteroides merdae*, Strain CL03T12C32**

**Catalog No. HM-730**

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

### **Contributor:**

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### **Manufacturer:**

BEI Resources

### **Product Description:**

**Bacteria Classification:** *Porphyromonadaceae*, *Parabacteroides*

**Species:** *Parabacteroides merdae*

**Strain:** CL03T12C32

**Original Source:** *Parabacteroides merdae* (*P. merdae*), strain CL03T12C32 was isolated from healthy adult human feces in Boston, Massachusetts, USA.<sup>1,2</sup>

**Comments:** *P. merdae*, strain CL03T12C32 ([HMP ID 1060](#)) 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 *P. merdae*, strain CL03T12C32 was sequenced at the [Broad Institute](#) (GenBank: [AGZQ000000000](#)).

**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.

*P. merdae* is a Gram-negative, obligately anaerobic, non-sporulating, non-motile bacterium that is a normal colonic commensal.<sup>3,4</sup> The incidence of *P. merdae* infections compared with other *Parabacteroides* and *Bacteroides* species is extremely rare.<sup>5</sup>

### **Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Modified Chopped Meat medium supplemented with 10% glycerol.

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

### **Packaging/Storage:**

HM-730 was packaged aseptically, in screw-capped plastic 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:

Modified Trypticase Yeast Peptone Extract medium<sup>1</sup> or Reinforced Clostridial broth or Modified Chopped Meat medium or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

#### Incubation:

Temperature: 37°C

Atmosphere: Anaerobic (80% N<sub>2</sub>: 20% CO<sub>2</sub>)

#### 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 24 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: *Parabacteroides merdae*, Strain CL03T12C32, HM-730."

### **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).

### **Disclaimers:**

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#### References:

1. L. E. Comstock, Personal Communication.
2. [HMP ID 1060](#) (*P. merdae*, strain CL03T12C32)
3. Johnson, J. L., W. E. C. Moore, and L. V. H. Moore. "*Bacteroides caccae* sp. nov., *Bacteroides merdae* sp. nov., and *Bacteroides stercoris* sp. nov. Isolated from Human Feces." *Int. J. Syst. Bacteriol.* 36 (1986): 499-501.
4. Sakamoto, M. and Y. Benno. "Reclassification of *Bacteroides distasonis*, *Bacteroides goldsteinii* and *Bacteroides merdae* as *Parabacteroides distasonis* gen. nov., comb. nov., *Parabacteroides goldsteinii* comb. nov. and *Parabacteroides merdae* comb. nov." *Int. J. Syst. Evol. Microbiol.* 56 (2006): 1599-1605. PubMed: 16825636.
5. Wexler, H. M. "*Bacteroides*: the Good, the Bad, and the Nitty-Gritty." *Clin. Microbiol. Rev.* 20 (2007): 593-621. PubMed: 17934076.

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