

***Parabacteroides johnsonii*, Strain CL02T12C29**

Catalog No. HM-731

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Porphyromonadaceae*,

Parabacteroides

Species: *Parabacteroides johnsonii*

Strain: CL02T12C29

Original Source: *Parabacteroides johnsonii* (*P. johnsonii*), strain CL02T12C29 was isolated from healthy adult human feces in Boston, Massachusetts, USA.^{1,2}

Comments: *P. johnsonii*, strain CL02T12C29 ([HMP ID 1077](#)) 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. johnsonii*, strain CL02T12C29 was sequenced at the [Broad Institute](#) (GenBank: [AGZP00000000](#)).

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. johnsonii is a Gram-negative, obligately anaerobic, non-sporulating, non-motile bacterium that is a normal colonic commensal.^{3,4}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 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-731 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:

Modified Trypticase Yeast Peptone Extract medium¹ or Reinforced Clostridial broth or Modified Chopped Meat medium or equivalent

Tryptic Soy agar with 5% 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 1 to 3 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Parabacteroides johnsonii*, Strain CL02T12C29, HM-731."

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](#). 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. Comstock, L. E., Personal Communication.
2. [HMP ID 1077](#) (*P. johnsonii*, strain CL02T12C29)
3. Sakamoto, M., M. Kitahara and Y. Benno. "Parabacteroides johnsonii sp. nov., Isolated from Human Faeces." *Int. J. Syst. Evol. Microbiol.* 57 (2007): 293-296. PubMed: 17267966.
4. 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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