

***Arachnia propionica*, Strain F0230**

**Catalog No. HM-209**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Propionibacteriaceae*, *Arachnia*

Species: *Arachnia propionica*

Previously referred to as *Propionibacterium propionicum* and *Pseudopropionibacterium propionicum*, the genus and species have been reclassified and the designation on the vial label refers to the old nomenclature.<sup>1,2,3</sup>

Strain: F0230 (also referred to as F0230a)<sup>4</sup>

Original Source: *Arachnia propionica* (*A. propionica*), strain F0230 was isolated from a human oral cavity.<sup>4</sup>

Comments: *A. propionica*, strain F0230 ([HMP ID 9154](#)) 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 *A. propionica*, strain F0230 was sequenced at the Genome Institute at [J. Craig Venter Institute](#) (GenBank: [CP002734](#)).

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.

*A. propionica* is a non-motile, Gram-positive, facultatively anaerobic rod typically found in the oral flora of humans and animals.<sup>5,6</sup> It is an opportunistic pathogen known for involvement in endodontic disease and may cause serious infections in humans and animals.<sup>7,8</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Modified Reinforced Clostridial broth supplemented with 10% glycerol.

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

**Packaging/Storage:**

HM-209 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 Reinforced Clostridial broth 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 2 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: *Arachnia propionica*, Strain F0230, HM-209.”

**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 \(BMBL\)](#), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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**References:**

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4. [HMP ID 9154](#) (*P. propionicum*, strain F0230)
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