

***Pseudomonas* sp., Strain HPB0071**

**Catalog No. HM-860**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Pseudomonadaceae*, *Pseudomonas*

Species: *Pseudomonas* sp.

Strain: HPB0071

Original Source: *Pseudomonas* sp., strain HPB0071 was isolated from a biopsy of ileo-anal pouch mucosa of a human subject in the United States.<sup>1,2</sup>

Comments: *Pseudomonas* sp., strain HPB0071 ([HMP ID 1487](#)) 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 *Pseudomonas* sp., strain HPB0071 was sequenced at the [Broad Institute](#) (GenBank: [AQFP00000000](#)).

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.

*Pseudomonas* species are Gram-negative, aerobic, motile, rod-shaped, free-living bacteria that are common inhabitants of soil, water, and vegetation. Many *Pseudomonas* species represent opportunistic pathogens to humans, animals, or plants.<sup>3,4</sup>

**Material Provided:**

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

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

**Packaging/Storage:**

HM-860 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:

Tryptic Soy broth or Brain Heart Infusion broth or Nutrient

broth or equivalent  
Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion agar or Nutrient agar or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic

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 hours.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Pseudomonas* sp., Strain HPB0071, HM-860."

**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. Schmidt, T. M., Personal Communication.
2. [HMP ID 1487](#) (*Pseudomonas* sp., strain HPB0071)
3. Stanier, R. Y., N. J. Palleroni and M. Doudoroff. "The Aerobic *Pseudomonads*: A Taxonomic Study." J. Gen. Microbiol. 43 (1966): 159-271. PubMed: 5963505.
4. Silby, M. W., et al. "*Pseudomonas* Genomes: Diverse and Adaptable." FEMS Microbiol. Rev. 35 (2011): 652-680. PubMed: 21361996.

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