

## ***Pseudomonas* sp., Strain 2\_1\_26**

### **Catalog No. HM-214**

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

##### **Contributor:**

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##### **Manufacturer:**

BEI Resources

##### **Product Description:**

Bacteria Classification: *Pseudomonadaceae*, *Pseudomonas*

Species: *Pseudomonas* sp.

Strain: 2\_1\_26

Original Source: *Pseudomonas* sp., strain 2\_1\_26 was isolated from healthy biopsy tissue taken from the rectum of a 59-year-old male.<sup>1,2</sup>

Comments: *Pseudomonas* sp., strain 2\_1\_26 ([HMP ID 1030](#)) 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 2\_1\_26 was sequenced at the [Broad Institute](#) (GenBank: [ACWU000000000](#)).

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 Tryptic Soy broth supplemented with 10% glycerol. Each vial of lot 59867272 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-214 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 1 day.

##### **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 2\_1\_26, HM-214."

##### **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](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; 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. Allen-Vercor, E., Personal Communication.
2. [HMP ID 1030](#) (*Pseudomonas* sp., Strain 2\_1\_26)
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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