Product Information Sheet for HM-158

Ralstonia sp., Strain 5_2_56FAA

Catalog No. HM-158

For research use only. Not for human use.

Contributor:
Emma Allen-Vercoe, Assistant Professor, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada

Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Burkholderiaceae*, *Ralstonia*
Species: *Ralstonia* sp.
Strain: 5_2_56FAA
Original Source: *Ralstonia* sp., strain 5_2_56FAA was isolated from inflamed tissue taken from the terminal ileum of a 29-year-old female patient with Crohn's disease.[1]
Comments: *Ralstonia* sp., strain 5_2_56FAA (HMP ID 0989) 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 *Ralstonia* sp. 5_2_56FAA is currently being sequenced at the Broad Institute (GenBank: ACTT00000000).
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.

Ralstonia species, previously included in the genus *Pseudomonas*, are Gram-negative, aerobic, motile, rod-shaped, free-living bacteria that are common inhabitants of soil, water, and vegetation.[2,3] Many *Ralstonia* species represent opportunistic pathogens to humans, animals, or plants.

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Tryptic Soy Broth supplemented with 10% glycerol.

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

Packaging/Storage:
HM-158 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:
Tryptic Soy Broth or equivalent
Tryptic Soy Agar or equivalent
Incubation:
Temperature: 30°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 30°C for 48 hours.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Ralstonia* sp., Strain 5_2_56FAA, HM-158."

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 http://www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:
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References:

1. HMP 0989 (*Ralstonia* sp., strain 5_2_56FAA)
2. Yabuuchi, E., et al. "Transfer of Two *Burkholderia* and an *Alcaligenes* Species to *Ralstonia* gen. nov.: Proposal of *Ralstonia pickettii* (Ralston, Palleroni and Doudoroff 1973) comb. nov., *Ralstonia solanacearum* (Smith 1896) comb. nov. and *Ralstonia eutropha* (Davis 1969) comb. nov." Microbiol. Immunol. 39 (1995): 897-904. PubMed: 8657018.
3. Chen, W.-M., et al. "*Ralstonia taiwanensis* sp. nov., Isolation from Root Nodules of *Mimosa* species and Sputum of a Cystic Fibrosis Patient." Int. J. Syst. Evol. Microbiol. 51 (2001): 1729-1735. PubMed: 11594603.

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www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898