

***Burkholderia vietnamiensis*, Strain LMG 10929**

Catalog No. NR-703

(Derived from ATCC® BAA-248™)

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Contributor:

ATCC®

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Burkholderiaceae*, *Burkholderia*

Species: *Burkholderia vietnamiensis*

Strain: LMG 10929 (type strain; also referred to as strain TVV75)¹

Original Source: *Burkholderia vietnamiensis* (*B. vietnamiensis*), strain LMG 10929 was isolated from rice rhizosphere soil from the Binh Thanh district of Vietnam.¹

B. vietnamiensis is a saprophytic, motile, aerobic, Gram-negative coccobacilli commonly found in plants, soil and water. *B. vietnamiensis* is a clinically important member of *Burkholderia cepacia* complex (BCC), a group of opportunistic species that are highly problematic in immunocompromised individuals and patients suffering from cystic fibrosis.

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:

NR-703 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 24 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Burkholderia vietnamiensis*, Strain LMG 10929, NR-703."

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Gillis, M., et al. "Polyphasic Taxonomy in the Genus *Burkholderia* Leading to an Emended Description of the Genus and Proposition of *Burkholderia vietnamiensis* sp. nov. for N₂-Fixing Isolates from Rice in Vietnam." Int. J. Syst. Bacteriol. 45 (1995): 274-289.
2. Mahenthiralingam, E., et al. "DNA-Based Diagnostic Approaches for Identification of *Burkholderia cepacia* Complex, *Burkholderia vietnamiensis*, *Burkholderia multivorans*, *Burkholderia stabilis*, and *Burkholderia cepacia* Genomovars I and III." J. Clin. Microbiol. 38 (2000): 3165-3173. PubMed: 10970351.

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