

Product Information Sheet for NR-51489

Chryseobacterium bernardetii, Strain G0229

Catalog No. NR-51489

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For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

<u>Bacteria Classification</u>: Flavobacteriaceae; Chryseobacterium <u>Species</u>: Chryseobacterium bernardetii

Strain: G0229

<u>Original Source</u>: Chryseobacterium bernardetii (C. bernardetii), strain G0229 was isolated in 1982 from sputum of a human in Doncaster, England.^{1,2}

Comments: C. bernardetii, strain G0229 was deposited to BEI Resources as the type strain of the species. The complete genome of C. bernardetii, strain G0229 has been sequenced (GenBank: CP033932.1).1,2

Chryseobacterium are Gram-negative, aerobic, non-motile, non-spore forming bacilli which have been isolated from environmental samples, such as soil, water and plants.^{2,3,4,5} Most species are considered non-pathogenic; however, Chryseobacterium indologenes has been reported as a causative agent in bacteraemia, peritonitis, pneumonia, empyema, pyelonephritis, cystitis, meningitis and central venous catheter-associated infections.^{5,6}

Material Provided:

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

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

Packaging/Storage:

NR-51489 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 Nutrient broth or equivalent Tryptic Soy agar or Nutrient agar or equivalent

Incubation:

Temperature: 37°C Atmosphere: Aerobic

Propagation:

- 1. Keep vial frozen until ready for use, then thaw.
- 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.
- Incubate the tube, slant and/or plate at 37°C for 1 to 2 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Chryseobacterium bernardetii, Strain G0229, NR-51489."

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.

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References:

- 1. Nicholson, A., Personal Communication.
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- Holmes, B., A. G. Steigerwalt and A. C. Nicholson. "DNA-DNA Hybridization Study of Strains of Chryseobacterium, Elizabethkingia and Empedobacter and of Other Usually Indole-Producing Non-Fermenters of CDC Groups IIc, IIe, IIh and IIi, Mostly from Human Clinical Sources, and Proposals of Chryseobacterium bernardetii sp. nov., Chryseobacterium carnis sp. nov., Chryseobacterium lactis sp. nov., Chryseobacterium nakagawai sp. nov. and Chryseobacterium taklimakanense comb. nov." Int. J. Syst. Evol. Microbiol. 63 (2013): 4639-4662. PubMed: 23934253.
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- Mukerji, R., et al. "Chryseobacterium indologenes: An Emerging Infection in the USA." <u>BMJ Case Rep.</u> (2016): bcr2016214486. PubMed: 27053540.

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