Product Information Sheet for NR-51494

Elizabethkingia ursingii, Strain G4122

Catalog No. NR-51494

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For research use only. Not for human use.

Contributor:

Ainsley C. Nicholson, Health Scientist, Special Bacteriology Reference Laboratory, Centers for Disease Control and Prevention, Atlanta, Georgia, USA

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Flavobacteriaceae*, *Chryseobacterium*
Species: *Elizabethkingia ursingii*
Strain: G4122
Original Source: *Elizabethkingia ursingii (E. ursingii)*, strain G4122 was isolated in 1964 from soil in Denmark.[1]
Comments: *E. ursingii*, strain G4122 is the type strain of *E. ursingii*. The complete genome of *E. ursingii*, strain G4122 is available (GenBank: LNOK00000000).

Elizabethkingia are multi-drug resistant, Gram-negative, aerobic, non-motile, non-spore-forming bacilli which are found in natural environments such as water and soil.[2] *Elizabethkingia* bacteremia are opportunistic pathogens that are difficult to treat due to a large number of antibiotic resistance genes.[2,3]

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:

NR-51494 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:
Nutrient broth or Tryptic Soy broth or equivalent
Nutrient agar or Tryptic Soy agar with 5% defibrinated sheep blood or Heart Infusion agar with 5% defibrinated rabbit blood or equivalent
Incubation:
Temperature: 25°C to 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 to 2 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Elizabethkingia ursingii*, Strain G4122, NR-51494."

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.

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

References:

1. Nicholson, A. C., Personal Communication.
2. Nicholson, A. C., et al. "Revisiting the Taxonomy of the Genus *Elizabethkingia* using Whole-Genome Sequencing, Optical Mapping, and MALDI-TOF, along with Proposal of Three Novel *Elizabethkingia* species: *Elizabethkingia bruuniana* sp. nov., *Elizabethkingia ursingii* sp. nov., and *Elizabethkingia occulta* sp. nov." Antonie Van Leeuwenhoek 111 (2018): 55-72. PubMed: 28856455.
3. Lin, J. -N., et al. "*Elizabethkingia* Infections in Humans from Genomics to Clinics." Microorganisms 7 (2019): 295. PubMed: 31466280.

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BEI Resources
www.beiresources.org

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