

***Corynebacterium striatum*, Strain FS-1**

**Catalog No. NR-13441**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Corynebacteriaceae*; *Corynebacterium*

Species: *Corynebacterium striatum*

Strain: FS-1

Original Source: *Corynebacterium striatum* (*C. striatum*), strain F-S1 is a clinical isolate from Italy, 2005-2007.<sup>1</sup>

*C. striatum* is a non-motile, non-sporulating, Gram-positive bacillus found in soil, animals, and is part of normal human skin flora. It is capable of causing serious community and hospital acquired infections in both immunocompetent and immunocompromised hosts.<sup>2</sup>

**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-13441 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 equivalent

Tryptic Soy Agar with 5% sheep blood 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 24 hours.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Corynebacterium striatum*, Strain FS-1, NR-13441."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Campanile, F., et al. "Clonal Multidrug-Resistant *Corynebacterium striatum* Strains, Italy." Emerg. Infect. Dis. 15 (2009): 75-78. PubMed: 19116057.
2. Lee, P. P., D. A. Ferguson Jr. and F. A. Sarubbi. "*Corynebacterium striatum*: an Underappreciated Community and Nosocomial Pathogen." J. Infect. 50 (2005): 338-343. PubMed: 15845432.

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