

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

**Catalog No. NR-13441**

**For research use only. Not for use in humans.**

**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 that was isolated between 2005 and 2007.<sup>1</sup>

*C. striatum* is a non-motile, non-sporulating, Gram-positive bacillus found in soil and 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 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 1 to 3 days.

**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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; 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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