

***Mycobacterium florentinum*, Strain FI-93171T**

**Catalog No. NR-49073**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Mycobacteriaceae*, *Mycobacterium*

Species: *Mycobacterium florentinum*

Strain: FI-93171T (also referred to as DSM 44852<sup>T</sup> and CIP 108409<sup>T</sup>)<sup>1</sup>

Original Source: *Mycobacterium florentinum* (*M. florentinum*), strain FI-93171T was isolated in 1993 from an excised lymph node of a 6-year-old girl in Italy.<sup>1</sup>

Comments: *M. florentinum*, strain FI-93171T was deposited to BEI Resources as the type strain for the species.<sup>1</sup> The complete genome of *M. florentinum*, strain FI-93171T is currently being sequenced by BEI Resources.

*M. florentinum* is an acid-fast, rod-shaped species of slow-growing nontuberculous mycobacteria.<sup>1</sup> *M. florentinum* has been isolated from clinical samples from both immunocompetent and immunocompromised patients.<sup>1</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Middlebrook 7H9 broth with ADC enrichment supplemented with 10% glycerol.

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

**Packaging/Storage:**

NR-49073 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:

Middlebrook 7H9 broth with Middlebrook ADC enrichment or equivalent

Middlebrook 7H10 agar with Middlebrook OADC enrichment or Lowenstein-Jensen agar or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic with 5% CO<sub>2</sub>

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 tubes and plate at 37°C for 2 to 6 weeks.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycobacterium florentinum*, Strain FI-93171T, NR-49073.”

**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/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Tortoli, E., et al. "*Mycobacterium florentinum* sp. nov., Isolated from Humans." Int. J. Syst. Evol. Microbiol. 55 (2005): 1101-1106. PubMed: 15879240.

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