

# Mycobacterium florentinum, Strain FI-93171T

Catalog No. NR-49073

For research use only. Not for human use.

## Contributor:

Dr. Enrico Tortoli, Senior Scientist, Emerging Bacterial Pathogens Unit, San Raffaele Scientific Hospital, Milan, Italy

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

## Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

## Use Restrictions:

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

**References:**

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

ATCC® is a trademark of the American Type Culture Collection.

