**Mycobacterium chimaera**, Strain FI-01069T

**Catalog No. NR-49072**

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Mycobacteriaceae, Mycobacterium

**Species:** Mycobacterium chimaera

**Strain:** FI-01069T (also referred to as DSM 44623T and CIP 107892T)²

**Original Source:** Mycobacterium chimaera (M. chimaera), strain FI-01069T was isolated between 1999-2003 from sputum of a 56-year old female with bronchiectasis in Italy.¹

**Comment:** M. chimaera, strain FI-01069T was deposited to BEI Resources as the type strain for this species.¹² The complete genome of M. chimaera, strain FI-01069T is available (GenBank: MRBR00000000).

M. chimaera is an acid-fast, rod-shaped species of slow-growing nontuberculous mycobacteria classified within the Mycobacterium avium complex (MAC).² It is distinguished by a unique mycolic acid pattern obtained by high pressure liquid chromatography (HPLC), which presents two clusters of peaks instead of the three presented by all other MAC organisms.² M. chimaera has been isolated from human pulmonary samples, rats and environmental samples including water and soil.²⁻⁵

**Material Provided:**

Each vial contains approximately 0.7 mL of bacterial culture in Middlebrook 7H9 broth with ADC enrichment with 10% glycerol.

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

**Packaging/Storage:**

NR-49072 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 ADC enrichment or equivalent Middlebrook 7H10 agar with OADC enrichment or equivalent

**Incubation:**

Temperature: 37°C

Atmosphere: Aerobic with 5% CO₂

**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 2 to 6 weeks.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Mycobacterium chimaera, Strain FI-01069T, NR-49072.”

**Biosafety Level:**

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**Disclaimers:**

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References:


2. Tortoli, E., Personal Communication.


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