

***Mycobacterium* *alsense*, Strain TB 1906T**

Catalog No. NR-49088

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Mycobacteriaceae*, *Mycobacterium*

Species: *Mycobacterium alsense*

Strain: TB 1906T (also referred to as DSM 45731^T and CCUG 56586^T)¹

Original Source: *Mycobacterium alsense* (*M. alsense*), strain TB 1906T was isolated in 2007 from the sputum of a 72-year-old patient with pulmonary disease in Denmark.^{1,2}

Comments: *M. alsense*, strain TB 1906T was deposited to BEI Resources as the type strain of the species.¹ The complete genome of *M. alsense*, strain TB 1906T is currently being sequenced by BEI Resources.

M. alsense is an acid-fast, rod-shaped species of slow-growing nontuberculous mycobacteria, initially named *M. alsense*, though not validly published, at the time of isolation from two clinical respiratory isolates.^{1,2,3} High-performance liquid chromatography (HPLC) analysis of the mycolic acids profile identifies a single, late-emerging peak cluster, which differentiates *M. alsense* from other mycobacterium species.^{1,2,3}

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-49088 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% 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 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 alsense*, Strain TB 1906T, NR-49088."

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.

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References:

1. Tortoli, E., et al. "*Mycobacterium alsense* sp. nov., a Scotochromogenic Slow Grower Isolated from Clinical Respiratory Specimens." Int. J. Syst. Evol. Microbiol. 66 (2016): 450-456. PubMed: 26545358.
2. Richter, E., et al. "*Mycobacterium alsense*, a Novel, Slowly Growing Species Isolated from Two Patients with Pulmonary Disease." J. Clin. Microbiol. 45 (2007): 3837-3839. PubMed: 17804654.
3. Tortoli, E. "Microbiological Features and Clinical Relevance of New Species of the Genus *Mycobacterium*." Clin. Microbiol. Rev. 27 (2014): 727-752. PubMed: 25278573.

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