Product Information Sheet for NR-49071

Mycobacterium parmense, Strain MUP 1182T

Catalog No. NR-49071

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Mycobacteriaceae*, *Mycobacterium*
Species: *Mycobacterium parmense*
Strain: MUP 1182T (Also referred to as CIP 107385^T and DSM 44553^T)[1]
Original Source: *Mycobacterium parmense* (*M. parmense*), strain MUP 1182T was isolated in 1999 from a lymph node of a 3-year-old child with cervical lymphadenopathy in Parma, Italy.[1]
Comments: *M. parmense*, strain MUP 1182T was deposited to BEI Resources as the type strain for the species.[1] The complete genome of *M. parmense*, strain MUP 1182T is currently being sequenced by BEI Resources.

M. parmense is an alcohol- and acid-fast, rod-shaped, non-motile species of slow-growing nontuberculous mycobacteria characterized by a unique 16S rRNA gene sequence and mycolic acids profile.[1,2] *M. parmense* has also been isolated from soil, water and leafy green vegetables.[3,4]

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-49071 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_2
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 parmense*, Strain MUP 1182T, NR-49071."

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.

Disclaimers:
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References:

1. Fanti, F., et al. "*Mycobacterium parmense* sp. nov." Int. J. Syst. Evol. Microbiol. 54 (2004): 1123-1127. PubMed: 15280280.
2. Tortoli, E. "The New Mycobacterium: An Update." FEMS Immunol. Med. Microbiol. 48 (2006): 159-178. PubMed: 17064273.
3. Lladó, S., et al. "Microbial Populations Related to PAH Biodegradation in an Aged Biostimulated Creosotecontaminated Soil." Biodegradation 20 (2009): 593-601. PubMed: 19153811.
4. Dziedzinska, R., et al. "Nontuberculous Mycobacteria on Ready-to-Eat, Raw and Frozen Fruits and Vegetables." J. Food Prot. 79 (2016): 1452-1456. PubMed: 27497136.

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