

***Mycobacterium pinnipedii*, Strain NLA000018152**

Catalog No. NR-49253

Product Description: *Mycobacterium pinnipedii* (*M. pinnipedii*), strain NLA000018152 was isolated between 1992 and 1993 from a seal.

Lot¹: 70003651

Manufacturing Date: 30JUN2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis² Cellular morphology Colony morphology ³ Growth rate Growth at 26°C Growth at 37°C Acid-fast stain Pigmentation in the dark (Scotochromogen) Photoinduction for 1 hour (Photochromogen) Nonchromogen (no pigment) Biochemical tests Niacin production ⁴ Nitrate reduction Pyrazinamidase	Gram-positive rods Report results ≥ 7 days Report results Positive Positive (red colonies) Negative (no pigment) Negative (no pigment) Positive (no pigment) Report results Report results Report results	Gram-positive rods Irregular, slight peaked, undulate, rough and cream 21 days Negative Positive Positive (red colonies) Negative (no pigment) Negative (no pigment) Negative (no pigment) Positive (no pigment) Negative Positive Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (430 base pairs)	≥ 99% sequence identity to <i>M. pinnipedii</i> type strain (GenBank: MWXB01000053.1)	100% sequence identity to <i>M. pinnipedii</i> type strain (GenBank: MWXB01000053.1) ⁵
Purity (post-freeze) Middlebrook 7H10 agar with OADC enrichment ⁶ Tryptic Soy agar ⁷	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology No growth
Viability (post-freeze)³	Growth	Growth

¹NR-49253 was produced by inoculation of the deposited material into Middlebrook 7H9 broth with ADC enrichment. Broth inoculum was added to Middlebrook 7H10 agar with OADC enrichment kolles, which were grown for 36 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

²Information on Mycobacterium testing is available from Ribón, W. "Biochemical Isolation and Identification of Mycobacteria." *Biochemical Testing*. (2012) Jose C. Jimenez-Lopez (Ed.), InTech, <http://www.intechopen.com/books/biochemical-testing/biochemical-isolation-and-identification-of-mycobacteria> and Lévy-Frédault, V. V. and F. Portael. "Proposed Minimal Standards for the Genus *Mycobacterium* and for Description of New Slowly Growing *Mycobacterium* Species." *Int. J. Syst. Bacteriol.* 42 (1992): 315-323. PubMed: 1581193.

³21 days at 37°C in an aerobic atmosphere with 5% CO₂ on Middlebrook 7H10 agar with OADC enrichment

⁴All mycobacteria produce niacin but only *M. tuberculosis* accumulates it, resulting in a positive test for *M. tuberculosis*.

⁵Also consistent with *M. africanum*, *M. bovis*, *M. caprae*, *M. microti* and *M. tuberculosis*

⁶Purity of this lot was assessed for 31 days at 37°C in an aerobic atmosphere with 5% CO₂.

⁷Purity of this lot was assessed for 21 days at 37°C in an aerobic atmosphere with 5% CO₂.

/Heather Couch/
 Heather Couch

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