

***Leishmania major*, Strain NIH Friedlin V1 (MHOM/IL/80/FN)**

Catalog No. NR-48815

Product Description: *Leishmania major* (*L. major*), strain NIH Friedlin V1 (MHOM/IL/80/FN) was isolated in 1980 from a patient with localized cutaneous leishmaniasis in Israel.

Lot¹: 63009495

Manufacturing Date: 27OCT2014

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 1070 base pairs)	Consistent with <i>L. major</i>	Consistent with <i>L. major</i> ^{2,3}
Functional Activity by PCR Amplification ITS 1, 5.8S ribosomal RNA gene, ITS 2	~ 1200 base pair amplicon	~ 1200 base pair amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10 ⁶ cells/mL	8.2 x 10 ⁷ cells/mL
Viability (post-freeze)⁴	Growth	Growth
Sterility (21-day incubation) Harpo's HTYE broth ⁵ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Brain heart infusion, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth

¹NR-48815 was produced by cultivation of the deposited material. The culture was propagated in Modified M199 medium supplemented with 10% heat-inactivated fetal bovine serum and 10 µg/mL hemin for 3 days at 25°C in an aerobic atmosphere to produce this lot.


²≥ 99% identical to *L. major*, strain Friedlin, Chromosome 27 (GenBank: FR796423.1)

³Also consistent with other *Leishmania* species

⁴Viable cells were observed after 1 day under cultivation conditions.

⁵Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 17 FEB 2015

Signature: 

Title: Technical Manager, BEI Authentication or designee

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