

***Leishmania major*, Strain NIH S (MHOM/SN/74/Seidman)**

Catalog No. NR-48819

Product Description: *Leishmania major* (*L. major*), strain NIH S (MHOM/SN/74/Seidman) was isolated in 1973 from a human patient with cutaneous leishmaniasis in Senegal, West Africa.

Lot¹: 70001017

Manufacturing Date: 20DEC2016

TEST	SPECIFICATIONS	RESULTS
Cellular Morphology²	Report results	Elongated, motile and refractile
Genotyping³ Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA (rRNA) gene, ITS 2 (~ 570 base pairs)	Consistent with <i>L. major</i>	Consistent with <i>L. major</i>
Functional Activity by PCR Amplification³ ITS 1, 5.8S rRNA gene, ITS 2	~ 1200 base pair amplicon	~ 1200 base pair amplicon
Viable Cell Count by Hemacytometry³	> 10 ⁶ cells/mL	7 × 10 ⁷ cells/mL
Viability^{2,4}	Growth	Growth
Sterility (21-day incubation)² 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 DMEM with 10% FBS, 37°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-48819 was produced by cultivation of NRS-48819 lot 63009502 in Modified M199 medium supplemented with 10% heat-inactivated fetal bovine serum and 10 µg/mL hemin for 5 days at 25°C in an aerobic atmosphere to produce this lot.

²Testing completed on vial, post-freeze material.

³Testing completed on bulk material prior to vialing and freezing.

⁴Viable cells were observed after 1 day in Modified M199 medium supplemented with 10% heat-inactivated fetal bovine serum and 10 µg/mL hemin at 25°C in an aerobic atmosphere.

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

Date: 30 MAY 2017

Signature: 

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