

***Leishmania donovani*, Strain 1S (MHOM/SD/62/1S)**

Catalog No. NR-48821

Product Description: *Leishmania donovani* (*L. donovani*), strain 1S (MHOM/SD/62/1S) was isolated in 1962 from a patient with visceral leishmaniasis in Sudan.

Lot¹: 62990852

Manufacturing Date: 07OCT2014

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 1010 base pairs)	Consistent with <i>L. donovani</i>	Consistent with <i>L. donovani</i> ²
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	8.5 x 10 ⁷ cells/mL
Viability (post-freeze)³	Growth	Growth
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 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-48821 was produced by cultivation of the deposited material. After a series of passages, the culture was propagated in Modified M199 medium supplemented with 10% heat-inactivated fetal bovine serum and 10 µg/mL hemin for 4 days at 25°C in an aerobic atmosphere to produce this lot.

²Also consistent with other *Leishmania* species

³Viable cells were observed after 1 day under cultivation conditions.

⁴Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 18 FEB 2015

Signature:



Title: Technical Manager, BEI Authentication or designee

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