

***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.

Lot^{1,2}: 64475071

Manufacturing Date: 23AUG2016

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> 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	5.2 x 10 ⁸ cells/mL
Viability⁴	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 DMEM with 10% HIFBS, 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 NR-48821 lot 62990852 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.

²Quality control testing completed on post-freeze material unless specified as pre-freeze.

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: 31 JAN 2017

Signature:

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