

***Leishmania panamensis*, Strain PSC-1 (MHOM/PA/94/PSC-1)**

Catalog No. NR-50162

Product Description: *Leishmania panamensis* (*L. panamensis*), strain PSC-1 (MHOM/PA/94/PSC-1) was isolated in 1994 from an arm skin lesion of a male subject with cutaneous leishmaniasis in Capira, Panama.

Lot^{1,2}: 64233619

Manufacturing Date: 11MAY2016

TEST	SPECIFICATIONS	RESULTS
Cellular Morphology	Report results	Elongated and refractile
Genotyping Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA (rRNA) gene, ITS 2 (~ 890 base pairs)	≥ 99% sequence identity to <i>L. panamensis</i> , strain PSC-1 (GenBank: CP0093961.1)	100% sequence identity to <i>L. panamensis</i> , strain PSC-1 (GenBank: CP0093961.1) ³
Functional Activity by PCR Amplification⁴ ITS 1, 5.8S rRNA gene, ITS 2	900 to 950 base pair amplicon	~ 900 base pair amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10 ⁶ cells/mL	1.2 × 10 ⁸ cells/mL
Viability⁵	Growth	Growth
Sterility (21-day incubation) Harpo's HTYE broth ⁶ , 37°C and 26°C, aerobic Tryptic 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-50162 was produced by cultivation of the deposited material 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 *L. guyanensis*.

⁴Primer sequences and conditions for PCR are available upon request.

⁵Viable cells were observed after 1 day at 25°C in an aerobic atmosphere in Modified M199 medium supplemented with 10% heat-inactivated fetal bovine serum and 10 µg/mL hemin.

⁶Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 07 MAR 2017

Signature:



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