

**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. NR-50162 lot 64233619 was produced by cultivation of the deposited material in M199 with Hanks' salts 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.

**Lot: 64233619**

**Manufacturing Date: 11MAY2016**

TEST	SPECIFICATIONS	RESULTS
<b>Cell Morphology<sup>1</sup></b> 1 day at 25°C in an aerobic atmosphere in M199 with Hanks' salts supplemented with 10% HIFBS and 10 µg/mL hemin	Report results	Elongated and refractile
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA 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) <sup>3</sup>
<b>Viable Cell Count by Hemacytometry<sup>1</sup></b>	> 10 <sup>6</sup> cells per mL	1.2 × 10 <sup>8</sup> cells per mL
<b>Viability<sup>1</sup></b> 1 day at 25°C in an aerobic atmosphere in M199 with Hanks' salts supplemented with 10% HIFBS and 10 µg/mL hemin	Growth	Growth
<b>Sterility (21-day incubation)<sup>1</sup></b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>4</sup> 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

<sup>1</sup>Testing completed on vial, post-freeze material.

<sup>2</sup>Testing completed on bulk material prior to vialing and freezing.

<sup>3</sup>Also consistent with *L. guyanensis*.

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

/Heather Couch/

Heather Couch

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