

***Leishmania donovani*, Strain 9515 (MHOM/IN/95/9515)**

**Catalog No. NR-48822**

**Product Description:** *Leishmania donovani* (*L. donovani*), strain 9515 (MHOM/IN/95/9515) was isolated in 1995 from the splenic aspirate of a patient with visceral leishmaniasis in India.

**Lot<sup>1</sup>: 64475072**

**Manufacturing Date: 23AUG2016**

TEST	SPECIFICATIONS	RESULTS
<b>Cellular Morphology<sup>2</sup></b>	Report results	Individual cells and rosettes, refractile
<b>Genotyping<sup>3</sup></b> Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 1030 base pairs)	Consistent with <i>L. donovani</i>	Consistent with <i>L. donovani</i> <sup>4</sup>
<b>Functional Activity by PCR Amplification<sup>3</sup></b> ITS 1, 5.8S ribosomal RNA gene, ITS 2	~ 1200 base pair amplicon	~ 1200 base pair amplicon
<b>Viable Cell Count by Hemacytometry<sup>3</sup></b>	> 10 <sup>6</sup> cells/mL	6.4 × 10 <sup>8</sup> cells/mL
<b>Viability<sup>2,5</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)<sup>2</sup></b> Harpo's HTYE broth <sup>6</sup> , 37°C and 26°C, aerobic Tryptic Soy broth, 37°C and 26°C, aerobic Sabouraud Dextrose 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>NR-48822 was produced by cultivation of NR-48822 lot 62990853 in Modified M199 medium supplemented with 10% heat-inactivated fetal bovine serum and 10 µg/mL hemin for 6 days at 25°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>Testing completed on vial, post-freeze material.

<sup>3</sup>Testing completed on bulk material prior to vialing and freezing.

<sup>4</sup>Also consistent with *Leishmania infantum* and *Leishmania chagasi*

<sup>5</sup>Viable 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.

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

**Date:** 03 APR 2017

**Signature:**

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