

**Trypanosoma cruzi, Strain CL**

**Catalog No. NR-49381**

**Product Description:** *Trypanosoma cruzi* (*T. cruzi*), strain CL was isolated in 1963 from naturally infected *Triatoma infestans* (kissing bug) collected from a house in Rio Grande do Sul, Encruzilhada, Brazil.

**Lot<sup>1,2</sup>: 64004706**

**Manufacturing Date: 08FEB2016**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Sequencing of putative C-5 sterol desaturase gene ( <i>TcSC5D</i> ) (~ 330 bases)	≥ 99% sequence identity to <i>T. cruzi</i> Discrete Typing Unit (DTU) <i>T. cruzi</i> VI (TcVI)	99.7% sequence identity to <i>T. cruzi</i> DTU TcVI
<b>Functional Activity by PCR Amplification</b> <i>TcSC5D</i> <sup>3</sup>	~ 830 base pair amplicon	~ 830 base pair amplicon
<b>Viable Cell Count by Hemacytometry (pre-freeze)</b>	> 10 <sup>6</sup> cells/mL	2.7 × 10 <sup>8</sup> cells/mL
<b>Viability (post-freeze)<sup>4</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</sup> , 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% 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-49381 was produced by cultivation of the deposited material in in Liver Infusion Tryptose (LIT) medium (ATCC® Medium 1029: adjusted to contain 10% heat-inactivated fetal bovine serum) for 3 days at 25°C in an aerobic atmosphere.

<sup>2</sup>Quality control testing completed on post-freeze material unless specified as pre-freeze.

<sup>3</sup>PCR was performed as described in Cosentino, R. O. and F. Agüero. "A Simple Strain Typing Assay for *Trypanosoma cruzi*: Discrimination of Major Evolutionary Lineages from a Single Amplification Product." *PLoS Negl. Trop. Dis.* 6 (2012): e1777. PubMed: 22860154.

<sup>4</sup>Viable cells were seen after 1 day at 25°C in an aerobic atmosphere.

<sup>5</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 03 AUG 2016

**Signature:**



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