

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. NR-49381 was produced by cultivation of BEI Resources seed lot 64004705 in Liver Infusion Tryptose (LIT) medium supplemented with 10% heat-inactivated fetal bovine serum (HIFBS) for 3 days at 25°C in an aerobic atmosphere to produce this lot.

Lot: 70079686

Manufacturing Date: 31OCT2025

TEST	SPECIFICATIONS	RESULTS
Cell Morphology¹ 16 days at 25°C in an aerobic atmosphere in LIT medium supplemented with 10% HIFBS	Report results	Refractile, rosettes visible
Genotypic Analysis² Sequencing of putative C-5 sterol desaturase gene (<i>TcSC5D</i>) (~ 840 base pairs) ³	≥ 99% sequence identity to <i>T. cruzi</i> Discrete Typing Unit (DTU) <i>T. cruzi</i> VI (TcVI) (GenBank: XM_797152.1)	100% sequence identity to <i>T. cruzi</i> DTU TcVI (GenBank: XM_797152.1)
Viable Cell Count by Hemacytometry²	> 10 ⁶ cells/mL	1.8 × 10 ⁷ cells/mL
Viability¹ 16 days at 25°C in an aerobic atmosphere in LIT medium supplemented with 10% HIFBS	Growth	Growth
Sterility (14-day incubation)¹ Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 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

¹Testing completed on vialled, post-freeze material.

²Testing completed on bulk material prior to vialing and freezing.

³Cosentino, 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.

/Sonia Bjorun Brower/

Sonia Bjorun Brower

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Technical Manager or designee, ATCC Federal Solutions

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