

Giardia lamblia, Strain Mario

Catalog No. NR-9232

Product Description: *Giardia lamblia* is a pear-shaped, flagellated protozoan that causes a wide variety of gastrointestinal complaints and is one of the most common causes of parasite infection of humans worldwide.

Lot¹: 57942651

Manufacturing Date: 20NOV2007

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis² Sequencing of cytidine triphosphate synthase gene (~ 1560 bp)	Consistent with <i>Giardia lamblia</i>	Consistent with <i>Giardia lamblia</i>
PCR Assay of Extracted DNA² Cytidine triphosphate synthase gene	1830 bp amplicon	1830 bp amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10 ⁶ cells/mL	3.2 x 10 ⁷ cells/mL
Viability (post-freeze)³	Growth	Growth
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 37°C and 26°C, aerobic 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 DMEM with 10% FBS, 37°C and 5% CO ₂	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-9232 was produced by cultivation of the deposited material in ATCC® medium 2695 supplemented with Diamond's Vitamin Solution and 10% heat-inactivated adult bovine serum. The culture was propagated for 5 days at 35°C in an axenic and microaerophilic atmosphere, until peak density was reached.

²Genotypic analyses were completed with pre-freeze cultures

³Incubated under cultivation conditions for approximately 1 week at 35°C

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

Date: 09 JUL 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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