

***Giardia lamblia*, Strain CM**

Catalog No. NR-9230

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: 58152421

Manufacturing Date: 20JUN2008

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of cytidine triphosphate synthase gene (~ 1270 bp)	Consistent with <i>Giardia lamblia</i>	Consistent with <i>Giardia lamblia</i>
PCR Assay of Extracted DNA 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)²	Growth	Growth
Sterility (21-day incubation) Harpo's HTYE broth ³ , 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-9230 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 4 days at 35°C in an axenic and microaerophilic atmosphere, until peak density was reached.

²Good growth after 1 day of incubation at 37°C under cultivation conditions.

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

Date: 04 JUN 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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