

***Giardia lamblia*, Strain Be-1**

Catalog No. NR-9237

Product Description: *Giardia lamblia* (*G. lamblia*), strain Be-1 was isolated by Dr. Faubert and M. Belosevic from cysts obtained from beaver feces found in pond mud in Banff National Park, Canada. The cysts were axenized at the NIH.

Lot¹: 58447012

Manufacturing Date: 16DEC2008

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of cytidine triphosphate synthase gene (~ 1330 bp)	Consistent with <i>G. lamblia</i>	Consistent with <i>G. 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	1.6 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-9237 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.

²Incubated at 35°C under cultivation conditions for 1 day.

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

Date: 22 MAR 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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