

Giardia lamblia, Strain GS/M

Catalog No. NR-12266

Product Description: *Giardia lamblia* (*G. lamblia*), strain GS/M was originally isolated as trophozoites from the intestines of suckling mice that were infected as neonates by percutaneous intragastric injections of purified cysts of *G. lamblia*, strain GS. The parent strain GS was isolated from a human in the United States who had recently travelled to the Alaskan wilderness.

Lot¹: 58621590

Manufacturing Date: 24NOV2009

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of cytidine triphosphate synthase gene (~ 1730 base pairs)	Consistent with <i>G. lamblia</i>	Consistent with <i>G. lamblia</i>
PCR Assay of Extracted DNA Cytidine triphosphate synthase gene	~ 1830 base pair amplicon	~ 1830 base pair amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10 ⁶ cells/mL	1.3 x 10 ⁶ 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-12266 was produced by inoculation of the deposited material in Keister's Modified Trypticase-Yeast Extract-Iron-Serum (TYI-S-33) Medium supplemented with Diamond's Vitamin Solution and 10% heat-inactivated adult bovine serum. After a series of weekly passages, the culture was propagated for 4 days at 35°C in a microaerophilic atmosphere under axenic conditions until peak density was reached.

²Incubated for 2 days at 35°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: 08 DEC 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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