

***Giardia lamblia*, Strain Be-2**

**Catalog No. NR-9238**

**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.

**Lot<sup>1</sup>: 58211810**

**Manufacturing Date: 22OCT2008**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Sequencing of cytidine triphosphate synthase gene (~ 1410 bp)	Consistent with <i>Giardia lamblia</i>	Consistent with <i>Giardia lamblia</i>
<b>PCR Assay of Extracted DNA</b> Cytidine triphosphate synthase gene	~ 1830 bp amplicon	~ 1830 bp amplicon
<b>Viable Cell Count by Hemacytometry (pre-freeze)</b>	> 10 <sup>6</sup> cells/mL	1.0 x 10 <sup>7</sup> cells/mL
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>3</sup> , 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 <sub>2</sub>	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

<sup>1</sup>NR-9238 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 6 days at 35°C in an axenic and microaerophilic atmosphere, until peak density was reached.

<sup>2</sup>Incubated at 37°C under cultivation conditions for 5 days.

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

**Date: 13 FEB 2009**

**Signature: Signature on File**

**Title: Technical Manager, BEI Authentication or designee**

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