

***Giardia lamblia*, Strain D.Hall**

**Catalog No. NR-9234**

**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>: 58007322**

**Manufacturing Date: 19FEB2008**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of cytidine triphosphate synthase gene (~ 1690 bp)	Consistent with <i>Giardia lamblia</i>	Consistent with <i>Giardia lamblia</i>
<b>PCR Assay of Extracted DNA<sup>2</sup></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	2.1 x 10 <sup>7</sup> cells/mL
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>4</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-9234 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.

<sup>2</sup>Genotypic analyses were completed with pre-freeze cultures

<sup>3</sup>Incubated under cultivation conditions for approximately 1 week at 35°C

<sup>4</sup>Atlas, 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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