

***Giardia lamblia*, Strain DAN**

**Catalog No. NR-9235**

**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>: 58109543**

**Manufacturing Date: 26FEB2008**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of cytidine triphosphate synthase gene (~ 1650 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	1.6 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-9235 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.

<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

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

