

***Giardia lamblia*, Strain NIC**

**Catalog No. NR-9243**

**Product Description:** *Giardia lamblia* (*G. lamblia*), strain NIC (also referred to as strain N) was obtained from a human in New Orleans. The purified cysts were injected into neonatal mice by percutaneous intragastric injection and trophozoites were obtained from the intestines and used to establish an axenic culture at the NIH.

**Lot<sup>1</sup>: 58211813**

**Manufacturing Date: 24FEB2009**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Sequencing of cytidine triphosphate synthase gene (~ 1290 bp)	Consistent with <i>G. lamblia</i>	Consistent with <i>G. 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	3.6 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-9243 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>Incubated at 35°C under cultivation conditions for 1 day.

<sup>3</sup>Atlas, 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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