

**Entamoeba invadens, Strain IP-1 (axenic)**

**Catalog No. NR-15226**

(Derived from ATCC® 30994™)

**Product Description:**

*Entamoeba invadens* (*E. invadens*), strain IP-1 was originally isolated by Dr. E. Meerovitch from a green water snake (*Natrix cyclopion*) in Florida in 1952.

**Lot: 58677937<sup>1</sup>**

**Manufacturing Date: 02JUL2009**

TEST	SPECIFICATIONS	RESULTS
<b>Cellular Morphology<sup>2</sup></b>	Report results	Adherent and non-adherent
<b>Genotypic Analysis<sup>3</sup></b> Sequencing of 18S ribosomal RNA (rRNA) gene (1230 base pairs)	Consistent with <i>E. invadens</i>	<i>E. invadens</i>
<b>Functional Activity by PCR Amplification<sup>3</sup></b> 18S rRNA gene <sup>4</sup>	~ 1800 base pair amplicon	~ 1800 base pair amplicon
<b>Viable Cell Count by Hemacytometry<sup>3</sup></b>	> 10 <sup>6</sup> cells/mL	2.7 × 10 <sup>6</sup> cells/mL
<b>Viability (post-freeze)<sup>2,5</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)<sup>2</sup></b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>6</sup> Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Brain heart infusion, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic	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 No growth No growth

<sup>1</sup>NR-15226 was produced by cultivation of ATCC® 30994™ in LYI *Entamoeba* medium supplemented with 10% heat-inactivated adult bovine serum (HIBS) and Diamond's Vitamin solution for 9 days at 25°C in a microaerophilic atmosphere until peak density was reached.

<sup>2</sup>Testing completed on vial, post-freeze material

<sup>3</sup>Testing completed on bulk material prior to vialing and freezing

<sup>4</sup>Primer sequences and conditions for PCR are available upon request.

<sup>5</sup>Viable cells were observed after 3 days at 35°C in a microaerophilic atmosphere in LYI *Entamoeba* medium supplemented with 10% HIBS and Diamond's Vitamin solution.

<sup>6</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Heather Couch/

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