

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. NR-15226 was produced by cultivation of BEI Resources seed lot 58677939 in Liver Digest – Yeast Extract – Iron (LYI) *Entamoeba* medium supplemented with 10% heat-inactivated adult bovine serum (HIBS) and Diamond’s Vitamin solution for 8 days at 25°C in a microaerophilic atmosphere to produce this lot.

Lot: 70033316

Manufacturing Date: 21FEB2020

TEST	SPECIFICATIONS	RESULTS
Cellular Morphology ¹	Report results	Adherent and non-adherent
Genotypic Analysis ² Sequencing of 18S ribosomal RNA (rRNA) gene (~ 360 base pairs)	≥ 99% sequence identity to <i>E. invadens</i> , strain IP-1 (GenBank: KU939319.1)	100% sequence identity to <i>E. invadens</i> , strain IP-1 (GenBank: KU939319.1)
Viable Cell Count by Hemacytometry ²	> 10 ⁶ cells/mL	9.3 × 10 ⁶ cells/mL
Viability (post-freeze) ¹ 2 days at 35°C in a microaerophilic atmosphere in LYI <i>Entamoeba</i> medium supplemented with 10% HIBS and Diamond’s Vitamin solution	Growth	Growth
Sterility (21-day incubation) ¹ Harpo’s HTYE broth, 37°C and 26°C, aerobic ³ 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

¹Testing completed on vial, post-freeze material

²Testing completed on bulk material prior to vialing and freezing

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

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