

***Encephalitozoon intestinalis*, Alveolar Isolate**

**Catalog No. NR-9702**

(Derived from ATCC® 50506™)

**Product Description:**

*Encephalitozoon intestinalis* (*E. intestinalis*), Alveolar isolate was obtained in 1994 from the bronchoalveolar lavage specimen of an AIDS patient in New York, New York, USA. NR-9702 was produced by inoculation of BEI Resources seed lot 70005759 in human lung fibroblast cells (WI-38; ATCC® CCL-75™) in Eagle's Minimum Essential Medium (EMEM; ATCC® 30-2003™) supplemented with 10% heat-inactivated fetal bovine serum (HIFBS) for 10 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> until lysis of the host cell monolayer was reached.

**Lot: 70057188**

**Manufacturing Date: 03APR2023**

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TEST	SPECIFICATIONS	RESULTS
<b>Cell Morphology<sup>1</sup></b> 10 days at 27°C in an aerobic atmosphere with 5% CO <sub>2</sub> in EMEM supplemented with 10% HIFBS in human lung fibroblast cells (ATCC® CCL-75™)	Report results	Tiny, oblong, refractive; parasitophorous vacuoles visible
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of 18S ribosomal RNA gene (~ 1140 base pairs)	≥ 99% sequence identity to <i>E. intestinalis</i> , Alveolar Isolate (GenBank: CP001942.1)	100% sequence identity to <i>E. intestinalis</i> , Alveolar Isolate (GenBank: CP001942.1)
<b>Viable Cell Count by Hemacytometry<sup>2</sup></b>	> 10 <sup>6</sup> cells/mL	1.1 × 10 <sup>8</sup> cells/mL
<b>Viability<sup>1</sup></b> 2 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> in EMEM supplemented with 10% HIFBS in human lung fibroblast cells (ATCC® CCL-75™)	Growth	Growth
<b>Sterility (21-day incubation)<sup>1</sup></b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>3</sup> Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic DMEM with 10% FBS, 37°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
<b>Mycoplasma Contamination<sup>2</sup></b> DNA Detection by PCR	None detected	None detected

<sup>1</sup>Testing completed on vial, post-freeze material.

<sup>2</sup>Testing completed on bulk material prior to vialing and freezing.

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

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Technical Manager or designee, ATCC Federal Solutions

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