

***Encephalitozoon intestinalis*, Alveolar Isolate**

**Catalog No. NR-9702**

(Derived from ATCC® 50506™)

**Product Description:** An alveolar isolate of *Encephalitozoon intestinalis* (*E. intestinalis*) was obtained in 1994 from an AIDS patient in New York, New York, USA.

**Lot<sup>1</sup>: 70005758**

**Manufacturing Date: 01AUG2017**

TEST	SPECIFICATIONS	RESULTS
<b>Genotyping<sup>2</sup></b> Sequencing of 18S ribosomal RNA (rRNA) gene (~ 1120 base pairs)	Consistent with <i>E. intestinalis</i>	Consistent with <i>E. intestinalis</i>
<b>Functional Activity by PCR Amplification<sup>2</sup></b> 18S rRNA gene	~ 1200 base pair amplicon	~ 1200 base pair amplicon
<b>Viable Cell Count by Hemacytometry<sup>2</sup></b>	> 10 <sup>6</sup> cells per mL	2.9 × 10 <sup>7</sup> cells per mL
<b>Viability<sup>3,4</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)<sup>3</sup></b> Harpo's HTYE broth <sup>5</sup> , 37°C and 26°C, aerobic 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>NR-9702 was produced by cultivation of ATCC® 50506™ lot 1076738 in human lung fibroblast cells (WI-38; ATCC® CCL-75™) and Eagle's Minimum Essential Medium (EMEM; ATCC® 30-2003™) with 10% heat-inactivated fetal bovine serum for 29 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> until lysis of the host cell monolayer was reached.

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

<sup>3</sup>Testing completed on vialled, post-freeze material.

<sup>4</sup>Viable cells and signs of infection were seen after 15 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> in EMEM with 10% heat-inactivated fetal bovine serum.

<sup>5</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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