

***Encephalitozoon cuniculi*, Strain CDC:V282**

**Catalog No. NR-9703**

(Derived from ATCC® 50602™)

**Product Description:**

*Encephalitozoon cuniculi* (*E. cuniculi*), strain CDC:V282 was isolated in 1993 from the urine of an AIDS patient in Colorado, USA. NR-9703 was produced by inoculation of BEI Resources seed lot 58124289 in African green monkey kidney epithelial cells (BS-C-1; ATCC® CCL-26™) in Eagle's Minimum Essential Medium (EMEM; ATCC® 30-2003™) supplemented with 10% heat-inactivated fetal bovine serum (HIFBS) for 12 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> until lysis of the host cell monolayer was reached.

**Lot: 70057114**

**Manufacturing Date: 03JAN2023**

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TEST	SPECIFICATIONS	RESULTS
<b>Cell Morphology<sup>1</sup></b> 8 days at 27°C in an aerobic atmosphere with 5% CO <sub>2</sub> in EMEM supplemented with 10% HIFBS in African green monkey kidney epithelial cells (ATCC® CCL-26™)	Report results	Tiny, oblong, refractive; parasitophorous vacuoles visible
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of 18S ribosomal RNA gene (~ 1150 base pairs)	≥ 99% sequence identity to <i>E. cuniculi</i> , Strain GB-M1 (GenBank: AL391737.2)	100% sequence identity to <i>E. cuniculi</i> , Strain GB-M1 (GenBank: AL391737.2)
<b>Viable Cell Count by Hemacytometry<sup>2</sup></b>	> 10 <sup>6</sup> cells/mL	1.13 × 10 <sup>9</sup> cells/mL
<b>Viability<sup>1</sup></b> 5 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> in EMEM supplemented with 10% HIFBS in African green monkey kidney epithelial cells (ATCC® CCL-26™)	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 vialled, 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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08 MAR 2024

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