

Encephalitozoon hellem, Strain CDC:0291:V213

Catalog No. NR-9701

(Derived from ATCC® 50451™)

Product Description:

Encephalitozoon hellem (*E. hellem*), CDC:0291:V213 was isolated in 1991 from the urine of an adult human male AIDS patient in Georgia, USA. Strain CDC:0291:V213 was derived from ATCC® 50451™, which was deposited to ATCC® by G. S. Visvesvara of the CDC. NR-9701 was produced by cultivation of BEI Resources seed lot 59066422 in human lung fibroblast cells (ATCC® CCL-75™) with Eagle's Minimal Essential Medium (EMEM) supplemented with 10% heat-inactivated fetal bovine serum (HIFBS). The culture was propagated for 16 days at 37°C in an aerobic atmosphere with 5% CO₂ until lysis of the host cell monolayer was reached.

Lot: 70046776

Manufacturing Date: 23SEP2021

TEST	SPECIFICATIONS	RESULTS
Cell Morphology¹ 2 days at 37°C in an aerobic atmosphere with 5% CO ₂ in EMEM supplemented with 10% HIFBS	Report results	Small, rounded-to-ovoid and refractile
Genotypic Analysis² Sequencing of 18S ribosomal RNA (rRNA) gene (~ 1170 base pairs)	≥ 99% sequence identity to <i>E. hellem</i> , strain CDC:0291:V213 (GenBank: L19070.1)	100% sequence identity to <i>E. hellem</i> , strain CDC:0291:V213 (GenBank: L19070.1)
Viable Cell Count by Hemacytometry²	> 10 ⁶ cells per mL	7.4 × 10 ⁷ cells per mL
Viability¹ 2 days at 37°C in an aerobic atmosphere with 5% CO ₂ in EMEM supplemented with 10% HIFBS	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 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
Mycoplasma Contamination¹ DNA Detection by PCR	None detected	None detected

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.

/Heather Couch/

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23 MAR 2022

Program Manager or designee, ATCC Federal Solutions

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