

Genomic DNA from *Encephalitozoon hellem*, CDC:0291:V213

Catalog No. NR-34574

Product Description:

Genomic DNA was extracted from a preparation of *Encephalitozoon hellem* (*E. hellem*), CDC:0291:V213, which was isolated in 1991 from the urine of an adult human male AIDS patient in Georgia, USA. NR-34574 lot 70004535 was extracted from a preparation of BEI Resources NR-9701 lot 59066416 using proprietary technology and vialied in 10 mM Tris-HCl, 1 mM EDTA, pH 7.5.

Lot: 70004535

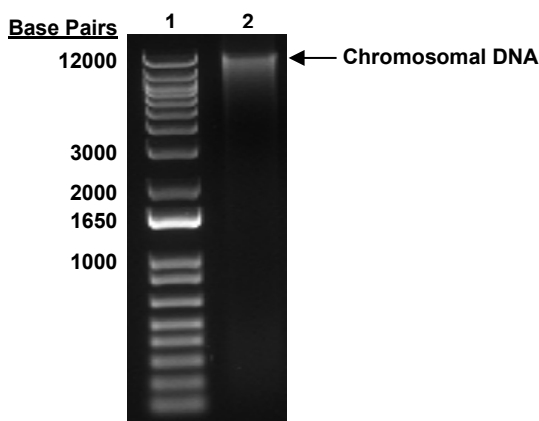
Manufacturing Date: 06NOV2018

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.2 to 3.5 µg per vial	1.2 µg in 78 µL per vial (15 µg/mL)
Amount per Vial	0.2 to 3.5 µg	1.2 µg
Genotypic Analysis Sequencing of 18S ribosomal RNA (rRNA) gene (~ 1180 base pairs)	Consistent with <i>E. hellem</i>	Consistent with <i>E. hellem</i>
Functional Activity by PCR Amplification¹ 18S rRNA gene	~ 1200 base pair amplicon	~ 1200 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	2.0
Fungal Inactivation 10% of total yield inoculated in medium ²	No viable organisms detected	No viable organisms detected

¹Primer sequences and conditions for PCR are available upon request.

²Incubated for 14 days at 37°C in an aerobic atmosphere with 5% CO₂ in EMEM medium (ATCC® 30-2003™) supplemented with 10% heat-inactivated fetal bovine serum

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder

Lane 2: ~ 200 ng of NR-34574

/Heather Couch/

Heather Couch

20 JUL 2020

Program Manager or designee, ATCC Federal Solutions

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