

***Acanthamoeba byersi*, Strain CDC:V621**

Catalog No. NR-46481

Product Description: *Acanthamoeba byersi* (*A. byersi*), strain CDC:V621 was isolated in 2010 from the brain and skin tissue of a male patient with granulomatous amebic encephalitis in California, USA.

Lot¹: 63013124

Manufacturing Date: 03NOV2014

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of 18S ribosomal RNA gene (~ 920 base pairs)	Consistent with <i>A. byersi</i>	Consistent with <i>A. byersi</i> ² (Genotype T18)
Functional Activity by PCR Amplification 18S ribosomal RNA gene	~ 2500 base pair amplicon	~ 2500 base pair amplicon
Viable Cell Count by Hemocytometry (pre-freeze)	> 10 ⁶ cells/mL	9.5 x 10 ⁵ cells/mL
Viability (post-freeze)³	Growth	Growth
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 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% HIFBS, 37°C and 26°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

¹NR-46481 was produced by cultivation of the deposited material in Peptone Yeast Glucose medium (PYG; ATCC[®] medium 712) supplemented with 10% heat-inactivated fetal bovine serum for 4 days at 35°C in an aerobic atmosphere to produce this lot.

²≥ 98.8% identical to *Acanthamoeba* sp., strain CDC:V621 (GenBank: KC822461.1)

³Viable cells were observed after 1 day under cultivation conditions.

⁴Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 02 NOV 2015

Signature: 

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