b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-46463

Acanthamoeba sp., Strain CDC:V036

Catalog No. NR-46463

Product Description: *Acanthamoeba* sp., strain CDC:V036 was isolated in 1986 from the contact lens solution of a female in Wisconsin, USA. This product has also been referred to as *Acanthamoeba castellanii.*

Lot[1]: 62669563 **Manufacturing Date: 27MAY2014**

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of 18S ribosomal RNA gene (~ 440 base pairs)	Consistent with *Acanthamoeba* sp.	Consistent with *Acanthamoeba* sp.[2] (Genotype T4)
Functional Activity by PCR Amplification[3] 18S ribosomal RNA gene (amplicon ASA.S1)	423 to 551 base pair amplicon	~ 450 base pair amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10^6 cells/mL	1.5 x 10^7 cells/mL
Viability (post-freeze)[4]	Growth	Growth
Sterility (21-day incubation)		
Harpo's HTYE broth[5], 37°C and 26°C, aerobic	No growth	No growth
Trypticase soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud broth, 37°C and 26°C, aerobic	No growth	No growth
Brain heart infusion, 37°C and 26°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth

[1]NR-46463 was produced by cultivation of the deposited material in PYG Medium (ATCC® medium 712) for 7 days at 25°C in an aerobic atmosphere and preserved.
[2]100% identical to *Acanthamoeba* sp., strain CDC:V036 (GenBank: FJ196654.2)
[3]PCR amplification was performed using the JDP1 and JDP2 primer set as described (Schroeder, J. M. et al. "Use of Subgenic 18S Ribosomal DNA PCR and Sequencing for Genus and Genotype Identification of Acanthamoebae from Humans with Keratitis and from Sewage Sludge." J. Clin. Microbiol. 39 (2001): 1903-1911. PubMed: 11326011).
[4]Viable cells were observed after 1 day under cultivation conditions.
[5]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 23 OCT 2014 **Signature:**

Title: Technical Manager, BEI Authentication or designee

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