b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-33655

Acanthamoeba sp., Strain CDC:V025

Catalog No. NR-33655

Product Description: *Acanthamoeba* sp., strain CDC:V025 was isolated from the contact lens of a man in Louisiana.

Lot[1]: 60732092 **Manufacturing Date: 16FEB2012**

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of 18S ribosomal RNA gene (~ 440 bp)	Consistent with *Acanthamoeba* sp.	Consistent with *Acanthamoeba* sp.
Functional Activity by PCR Amplification[2] 18S ribosomal RNA gene (amplicon ASA.S1)	423 bp to 551 bp amplicon	~ 450 bp amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10^6 cells/mL	6.4 x 10^6 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 Brain heart infusion, 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

[1]NR-33655 was produced by cultivation of *Acanthamoeba* sp., strain CDC:V025 in PYG medium (ATCC medium 712) for 6 days at 25°C in an aerobic atmosphere and preserved.
[2]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].
[3]Viable cells were observed after 6 days under cultivation conditions.
[4]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 10 AUG 2012 **Signature:** 

Title: Technical Manager, BEI Authentication or designee

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