

Acanthamoeba polyphaga, Strain CDC:V043

Catalog No. NR-33658

Product Description: *Acanthamoeba polyphaga*, strain CDC:V043 was isolated in 1986 from a corneal scraping of a man in California.

Lot¹: 60840925

Manufacturing Date: 28MAR2012

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of 18S ribosomal RNA gene (~ 400 bp)	Consistent with type T4 <i>Acanthamoeba</i> sp. ²	Consistent with type T4 <i>Acanthamoeba</i> sp. ²
Functional Activity by PCR Amplification³ 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	1.0 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 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

¹NR-33658 was produced by cultivation of *Acanthamoeba polyphaga*, strain CDC:V043 in PYG Medium ([ATCC medium 712](#)) for 7 days at 25°C in an aerobic atmosphere and preserved.

²Identity of >99% to GenBank: AY702988

³PCR amplification was performed using the JDP1 and JDP2 primer set as described [Schroeder, J. M. et al. "Use of Subgenetic 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].

⁴Viable cells were observed after 4 days under cultivation conditions.

⁵Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 19 NOV 2012

Signature:



Title:

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