b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

# Certificate of Analysis for NR-33663

## *Acanthamoeba* sp., Strain CDC:V235

## Catalog No. NR-33663

**Product Description:** *Acanthamoeba* sp., strain CDC:V235 was isolated in 1991 from the corneal biopsy specimen of a man in Italy.

**Lot[1]: 61178084** **Manufacturing Date: 28SEP2012**

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Genotyping**<br>Sequencing of 18S ribosomal RNA gene (~ 440 bp) | Consistent with *Acanthamoeba* sp. | Consistent with *Acanthamoeba* sp. |
| **Functional Activity by PCR Amplification[2]**<br>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 | 9.6 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 | 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-33663 was produced by cultivation of *Acanthamoeba* sp., strain CDC:V235 in PYG Medium (ATCC medium 712) for 3 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 1 day 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:** 16 MAY 2013 **Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.
You are authorized to use this product for research use only. It is not intended for human use.

Support Provided by NIAID

**BEI Resources**
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898