

***Acanthamoeba hatchetti*, Strain 11DS**

**Catalog No. NR-10461**

**Product Description:** *Acanthamoeba hatchetti* (*A. hatchetti*), strain 11DS was isolated from the cornea of a 41-year-old male with keratitis in Austria in 1998.

**Lot<sup>1</sup>: 59741147**

**Manufacturing Date: 09FEB2011**

TEST	SPECIFICATIONS	RESULTS
<b>Genotyping</b> Sequencing of 18S ribosomal RNA gene (~ 400 bp)	Consistent with <i>A. hatchetti</i>	Consistent with <i>A. hatchetti</i>
<b>Functional Activity by PCR Amplification<sup>2</sup></b> 18S ribosomal RNA gene (amplicon ASA.S1)	423 bp to 551 bp amplicon	~ 450 bp amplicon
<b>Viable Cell Count by Hemacytometry (pre-freeze)</b>	> 10 <sup>6</sup> cells/mL	8.6 x 10 <sup>5</sup> cells/mL
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>The deposited material was cultivated at 20°C and an aerobic atmosphere in fresh water amoeba agar medium ([ATCC medium 997](#)) inoculated with *Enterobacter aerogenes* (ATCC<sup>®</sup> 13048<sup>™</sup>) and preserved. NR-10461 was produced by cultivation of the preserved material under the propagation conditions described above.

<sup>2</sup>PCR 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].

<sup>3</sup>Viable cells and signs of infection were seen after 5 days under cultivation conditions at 20°C

**Date:** 15 JUN 2012

**Signature:** 

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

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