

**Acanthamoeba sp., Strain CDC:V411**

**Catalog No. NR-46470**

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**Product Description:** *Acanthamoeba* sp., strain CDC:V411 is a clinical isolate collected in 1998 from the brain tissue of a male patient in Spain.

**Lot<sup>1,2</sup>: 64463925**

**Manufacturing Date: 05AUG2016**

TEST	SPECIFICATIONS	RESULTS
<b>Cellular Morphology</b>	Report results	Adherent and non-adherent
<b>Genotyping</b> Sequencing of 18S ribosomal RNA gene (~ 350 base pairs)	Consistent with <i>Acanthamoeba</i> sp.	Consistent with <i>Acanthamoeba</i> sp. (genotype T4)
<b>Functional Activity by PCR Amplification<sup>3</sup></b> 18S ribosomal RNA gene (amplicon ASA.S1)	423 to 551 base pair amplicon	~ 450 base pair amplicon
<b>Viable Cell Count by Hemocytometry (pre-freeze)</b>	> 10 <sup>6</sup> cells/mL	3.9 × 10 <sup>6</sup> cells/mL
<b>Viability<sup>4</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</sup> , 37°C and 26°C, aerobic Tryptic Soy broth, 37°C and 26°C, aerobic Sabouraud Dextrose broth, 37°C and 26°C, aerobic DMEM with 10% FBS, 37°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

<sup>1</sup>NR-46470 was produced by cultivation of the deposited material in Peptone Yeast Glucose medium (PYG; ATCC® medium 712) for 7 days at 25°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>Quality control testing completed on post-freeze material unless specified as pre-freeze.

<sup>3</sup>PCR amplification was performed using the JDP1 and JDP2 primer set (JDP1: 5'-GGCCCAGATCGTTTACCGTGAA-3' and JDP2: 5'-TCTCACAAGCTGCTAGGGAGTCA-3') as described in 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>4</sup>Viable cells were observed after 1 day at 25°C in an aerobic atmosphere in PYG medium.

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

**Date:** 06 MAR 2017

**Signature:**



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