

Anncaliia algerae, Undeen Isolate

Catalog No. NR-22249

NR-22249 is contaminated with *Mycoplasma* sp. Please determine whether or not this product is acceptable for your intended use.

Product Description: *Anncaliia algerae* (*A. algerae*), Undeen isolate was isolated from the body of a mosquito, *Anopheles stephensi*, in 1970.

Lot¹: 60050529

Manufacturing Date: 12SEP2011

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of 18S ribosomal RNA gene (~ 470 bp)	Consistent with <i>A. algerae</i>	Consistent with <i>A. algerae</i> ^{2,3}
Functional Activity by PCR Amplification 18S ribosomal RNA gene	~ 1200 base pair amplicon	~ 1200 base pair amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10 ⁶ cells/mL	1.5 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
Mycoplasma Contamination DNA Detection by PCR	None detected	<i>Mycoplasma</i> sp. detected

¹NR-22249 was produced from frozen material prepared from live cultures deposited by Dr. Louis M Weiss, Albert Einstein College of Medicine, Bronx, New York. The frozen material was cultivated in rabbit kidney epithelial cells (ATCC® CCL-37™) with cell cultivation medium for parasites (ATCC medium 30-2003; adjusted to contain 10% heat-inactivated fetal bovine serum). The culture was propagated in 95% air, 5% CO₂ for 14 days at 30°C, until lysis of the host cell monolayer was reached.

²Also consistent with *Anncaliia meligethi*

³*A. algerae* was previously classified as *Nosema algerae* and *Brachiola algerae*

⁴Viable cells and signs of infection were seen after 14 days under cultivation conditions at 30°C.

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

Date: 11 FEB 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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