

**Anaplasma phagocytophilum, Strain ApNYW**

**Catalog No. NR-48595**

**Product Description:**

*Anaplasma phagocytophilum* (*A. phagocytophilum*), strain ApNYW was isolated from a human in New York, USA. NR-48595 was produced by infecting HL-60 cells (ATCC® CCL-240™) with BEI Resources seed material lot 70026734 and incubating in RPMI-1640 medium containing 10% fetal bovine serum (ATCC® 30-2020) for 3 days at 37°C with 5% CO<sub>2</sub>.

**Lot: 70073609**

**Manufacturing Date: 03FEB2025**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	≥ 99% identity with <i>A. phagocytophilum</i> , ApNYW (GenBank: LAOG01000008.1)	100% identity with <i>A. phagocytophilum</i> , strain ApNYW (GenBank: LAOG01000008.1)
<b>Titer by TCID<sub>50</sub> Assay in HL-60 Cells by PCR<sup>1</sup></b> 11 days at 37°C with 5% CO <sub>2</sub>	Report results	2.8 × 10 <sup>4</sup> TCID <sub>50</sub> /mL
<b>Sterility test (BacT/ALERT 3D)</b> iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	No growth No growth	No growth No growth
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of organism that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of the organism preparation.

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14 AUG 2025

Technical Manager or designee, ATCC Federal Solutions

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