

Anaplasma phagocytophilum, Strain NCH-1

Catalog No. NR-48807

Product Description: Human promyelocytic leukemia cells¹ infected with *Anaplasma phagocytophilum* (*A. phagocytophilum*), strain NCH-1, containing 10% fetal bovine serum and 12% DMSO (final concentrations).

Lot²: 70007009

Manufacturing Date: 19JUL2017

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity of HL-60 Cells ¹ by Indirect Fluorescent Antibody (IFA) Assay ³	Fluorescence observed	Fluorescence observed
Identification by Sequencing of Species-Specific Region (1404 nucleotides)	Consistent with <i>A. phagocytophilum</i> , strain NCH-1	99.9% identity with <i>A. phagocytophilum</i> , strain NCH-1 (GenBank: LANT01000009)
Titer by TCID ₅₀ Assay ^{4,5} in HL-60 Cells ¹ by IFA ³	Report results	2.8 × 10 ⁴ TCID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁶ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Brucella agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	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 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

¹HL-60; ATCC® CCL-240™

²Grown in RPMI-1640 medium containing 2 mM L-glutamine, 10 mM HEPES, 4500 mg/L glucose, 1 mM sodium pyruvate and 1500 mg/L sodium bicarbonate (ATCC® 30-2001) and 10% fetal bovine serum (ATCC® 30-2020) for 8 days at 37°C with 5% CO₂

³Using *A. phagocytophilum* IFA IgG reagent kit (Fuller Laboratories EEG-120)

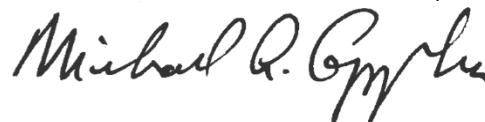
⁴The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

⁵8 days at 37°C and 5% CO₂

⁶Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798

Date: 09 JAN 2018

Signature:



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