

Clostridium perfringens, Strain WAL-14572

Catalog No. HM-310

Product Description:

Clostridium perfringens (*C. perfringens*), strain WAL-14572 was isolated from human feces. HM-310 was produced by inoculation of BEI Resources seed lot 59769197 into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™) to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70041378

Manufacturing Date: 12MAR2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive rod Report results Report results	Gram-positive rod Irregular, flat, undulate, translucent and light grey Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	≥ 99% sequence identity to <i>C. perfringens</i> , strain WAL-14572 (GenBank: ADLP01000015.1)	99.9% sequence identity to <i>C. perfringens</i> , strain WAL-14572 (GenBank: ADLP01000015.1)
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze) 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

/Heather Couch/

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16 DEC 2021

Program Manager or designee, ATCC Federal Solutions

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