

Clostridium perfringens*, Strain WAL-14572*Catalog No. HM-310****Product Description:** *Clostridium perfringens* (*C. perfringens*), strain WAL-14572 was isolated from human feces.**Lot^{1,2}: 0002010****Manufacturing Date: 19OCT2016**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility	Gram-positive rod Report results Report results	Gram-positive rod Irregular, flat, undulate, opaque and grey (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	> 99% sequence identity to <i>C. perfringens</i> , strain WAL-14572 (GenBank: ADLP01000015.1)	99.8% sequence identity to <i>C. perfringens</i> , strain WAL-14572 (GenBank: ADLP01000015.1)
Purity (post-freeze) Anaerobic ⁴ Aerobic ⁵	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
Viability (post-freeze)³	Growth	Growth

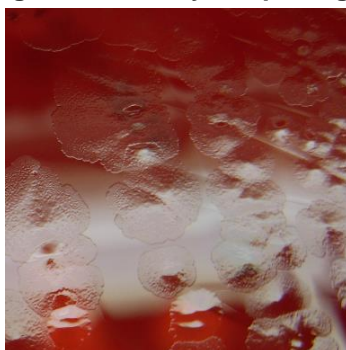
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*C. perfringens*, strain WAL-14572 was deposited by Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-310 was produced by the inoculation of HMS-310 (Lot: 59769197) into Modified Reinforced Clostridial broth. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). After holding for 3 days at room temperature in an anaerobic atmosphere, colonies from the agar growth were used to inoculate Modified Reinforced Clostridial broth. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown 2 days at 37°C in an anaerobic atmosphere.

³2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology

Certificate of Analysis for HM-310

Date: 11 FEB 2017

Signature:



BEI Resources Authentication

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