

***Clostridium symbiosum*, Strain WAL-14673**

Catalog No. HM-319

Product Description: *Clostridium symbiosum* (*C. symbiosum*), strain WAL-14673 was isolated from the stool of a normal male child.

Lot^{1,2}: 60609295

Manufacturing Date: 03FEB2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ⁴	Report results Report results	Gram-negative rods Circular, entire and translucent (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	≥ 99% identical to GenBank: ADLR01000157 (<i>C. symbiosum</i> , strain WAL-14673)	≥ 99% identical to GenBank: ADLR01000157 (<i>C. symbiosum</i> , strain WAL-14673)
Viability (post-freeze)⁴	Growth	Growth

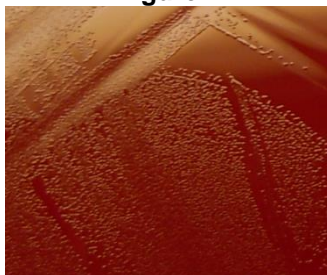
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*C. symbiosum*, strain WAL-14673 was deposited by Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. The deposited material was inoculated into Modified Reinforced Clostridial Broth ([ATCC medium 2107](#)) and incubated for 24 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂). The material from the initial growth was passaged once in Modified Reinforced Clostridial Broth for 24 hours at 37°C and anaerobic atmosphere to produce this lot.

³*C. symbiosum* is characterized as Gram-positive, but the published literature for this species shows that it often displays a Gram-negative phenotype [Elsayed, S. and K. Zhang. "Bacteremia Caused by *Clostridium symbiosum*." *J. Clin. Microbiol.* 42 (2004): 4390-4392. PubMed: 15365052 and Kaneuchi, C., et al. "Taxonomic Study of *Bacteroides clostridiiformis* subsp. *clostridiiformis* (Burri and Ankersmit) Holdeman and Moore and of Related Organisms: Proposal of *Clostridium clostridiiformis* (Burri and Ankersmit) comb. nov. and *Clostridium symbiosum* (Stevens) comb. nov." *Int. J. Syst. Bacteriol.* 26 (1976): 195-204.].

⁴48 hours at 37°C and anaerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

Figure 1



Date: 07 NOV 2012

Signature:

Title:

Technical Manager, BEI Authentication or designee

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