

***Hungatella hathewayi*, Strain WAL-18680 (Deposited as *Clostridium hathewayi*, Strain WAL-18680)**

Catalog No. HM-308

Product Description: *Hungatella hathewayi* (*H. hathewayi*), strain WAL-18680 was isolated from the stool of a male child with autism. **Note: The label on the vial is incorrect; the correct species is *Hungatella hathewayi*, due to changes in nomenclature that occurred in 2014.**

Lot^{1,2}: 70009961

Manufacturing Date: 27OCT2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ⁴ Motility (wet mount)	Report results Report results Report results	Gram-negative rod ³ Circular, low convex, entire, smooth, translucent and white (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 710 base pairs)	≥ 99% sequence identity to <i>H. hathewayi</i> , strain WAL-18680 (GenBank: ADLN01000001.1)	99.9% sequence identity to <i>H. hathewayi</i> , strain WAL-18680 (GenBank: ADLN01000001.1)
Purity (post-freeze) Anaerobic growth ⁵ Aerobic growth ⁶	Consistent with expected colony morphology Report results	Consistent with expected colony morphology No growth
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*H. hathewayi*, strain WAL-18680 was deposited by Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-308 lot 70009961 was produced by inoculation of BEI Resources HMS-308 lot 60110258 into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% 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 to produce this lot.

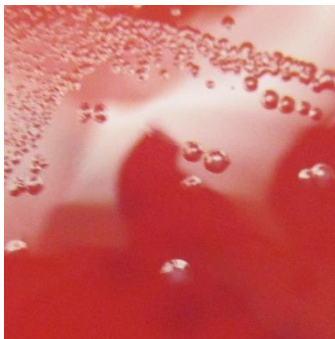
³*H. hathewayi* is characterized as Gram-positive, but the published literature for this species (previously known as *Clostridium hathewayi*) shows that it often displays a Gram-negative phenotype (Steer, T., et al. "*Clostridium hathewayi* sp. nov., from Human Faeces." *Syst. Appl. Microbiol.* 24 (2001): 353-357. PubMed: 11822669; Elsayed, S. and K. Zhang. "Human Infection Caused by *Clostridium hathewayi*." *Emerg. Infect. Dis.* 10 (2004): 1950-1952. PubMed: 15550205; and Woo, P. C. Y., et al. "Bacteremia Due to *Clostridium hathewayi* in a Patient with Acute Appendicitis." *J. Clin. Microbiol.* 42 (2004): 5947-5949. PubMed: 15583350).

⁴3 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 anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁶Purity 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



26 MAR 2018

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