

Acetobacteraceae sp., Strain AT-5844

Catalog No. HM-648

Product Description: *Acetobacteraceae* sp., strain AT-5844 was isolated at the St. Louis Children’s Hospital in Missouri, USA on May 28, 2010, from a leg wound infection of a human patient that was stepped on by a bull.

Lot^{1,2}: 62676095

Manufacturing Date: 09AUG2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Report results Report results Report results	Gram-negative diplococci Circular, convex, entire, translucent and slightly gray (Figure 1) Motile or non-motile ⁴
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1350 base pairs)	≥ 99% identical to GenBank: AGEZ01000040 (<i>Acetobacteraceae</i> bacterium, strain AT-5844)	≥ 99% identical to GenBank: AGEZ01000040 (<i>Acetobacteraceae</i> bacterium, strain AT-5844)
Purity (post-freeze)⁵	Consistent with expected colony morphology	Consistent with expected colony morphology
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*Acetobacteraceae* sp., strain AT-5844 was deposited by Carey-Ann Burnham, Ph.D., Medical Director of Microbiology, Department of Pediatrics, Washington University School of Medicine, St. Louis, Missouri, USA. HM-648 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 18 hours at 35°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown 26 hours at 35°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

³24 hours at 35°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Motile cells were observed only in wet mounts made from growth on Tryptic Soy agar with 5% defibrinated sheep blood. Non-motile cells were observed only in wet mounts made from growth in Tryptic Soy broth.

⁵Purity of this lot was assessed for 8 days on Tryptic Soy agar with 5% defibrinated sheep blood at 35°C in an aerobic atmosphere with 5% CO₂.

Figure 1: Colony Morphology



Date: 02 OCT 2014

Signature:



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