

***Bilophila* sp., Strain 4\_1\_30**

**Catalog No. HM-31**

**Product Description:** *Bilophila* sp., strain 4\_1\_30 was isolated from the colon of a patient undergoing a colon cancer screening in Calgary, Alberta, Canada.

**Lot<sup>1,2</sup>: 70025224**

**Manufacturing Date: 06MAY2019**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount)	Gram-negative rods Report results  Report results	Gram-negative rods Punctiform <sup>3</sup> Circular, low convex, entire, translucent and gray (Figure 1) <sup>4</sup> Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	≥ 99% sequence identity to <i>Bilophila</i> sp., strain 4_1_30 (GenBank: ADCO01000112.1)	99.9% sequence identity to <i>Bilophila</i> sp., strain 4_1_30 (GenBank: ADCO01000112.1)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>5</sup>  Aerobic growth <sup>6</sup>	Consistent with expected colony morphology Report results	Consistent with expected colony morphology No growth
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>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.

<sup>2</sup>*Bilophila* sp., strain 4\_1\_30 was deposited by Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-31 was produced by inoculation of the deposited material into Modified Reinforced Chopped Meat broth and grown 5 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Chopped Meat broth, which was grown 5 days at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

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

<sup>6</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

**Figure 1: Colony Morphology**



/Heather Couch/  
Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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