

***Eubacterium* sp., Strain 3\_1\_31**

**Catalog No. HM-178**

**Product Description:**

*Eubacterium* sp., strain 3\_1\_31 was isolated from inflamed biopsy tissue taken from the ascending colon of a 25-year-old female patient with Crohn's disease in Calgary, Alberta, Canada, in 2007. HM-178 lot 70041377 was produced by the inoculation of BEI Resources seed lot 60354901 into Modified Chopped Meat broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). The material from the initial growth was passaged in Tryptic Soy agar with 5% defibrinated sheep blood kolles for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

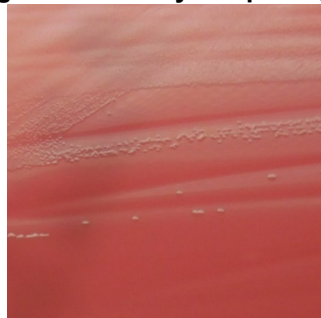
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

**Lot: 70041377**

**Manufacturing Date: 12MAR2021**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood  Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood  Motility (wet mount)	Report results  Report results  Report results	Gram-positive rods  Punctiform (Figure 1)  Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>Eubacterium</i> sp., strain 3_1_31 (GenBank: ACTL01000045.1)	99.8% sequence identity to <i>Eubacterium</i> sp., strain 3_1_31 (GenBank: ACTL01000045.1)
<b>Purity (post-freeze)</b> Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood  Aerobic with 5% CO <sub>2</sub> 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology  No growth or consistent with expected colony morphology	Consistent with expected colony morphology  No growth
<b>Viability (post-freeze)</b> 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

Figure 1: Colony Morphology



/Heather Couch/

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Program Manager or designee, ATCC Federal Solutions

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