

***Fusobacterium periodonticum*, Strain 2\_1\_31**

**Catalog No. HM-42**

**Product Description:** *Fusobacterium periodonticum* (*F. periodonticum*), strain 2\_1\_31 was isolated in 2007 from inflamed biopsy tissue taken from the ascending colon of a 25-year-old female patient with active Crohn's disease in Alberta, Canada. **Note:** The label on the vial is incorrect; the species was identified as *Fusobacterium periodonticum* in 2014.

**Lot<sup>1,2</sup>: 70015101**

**Manufacturing Date: 02MAY2018**

| TEST  | SPECIFICATIONS   | RESULTS  |
|---|--|--|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology <sup>3</sup><br><br>Motility (wet mount) | Gram-negative rods<br>Report results<br><br>Report results                                   | Gram-negative rods<br>Circular, convex, entire, smooth and gray (Figure 1)<br>Non-motile     |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)                           | ≥ 99% sequence identity to <i>F. periodonticum</i> , strain 2_1_31 (GenBank: ACDC03000058.1) | 99.8% sequence identity to <i>F. periodonticum</i> , strain 2_1_31 (GenBank: ACDC03000058.1) |
| <b>Purity (post-freeze)</b><br>Anaerobic growth <sup>4</sup><br><br>Aerobic growth <sup>5</sup>                 | Consistent with expected colony morphology<br>No growth                                      | Consistent with expected colony morphology<br>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>*F. periodonticum*, strain 2\_1\_31 was deposited by Emma Allen-Vercoe, Assistant Professor, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-42 lot 70015101 was produced by the inoculation BEI Resources HMS-42 lot 60110445 into Modified Chopped Meat broth which was incubated for 1 day at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). Broth inoculum was passaged once in Modified Chopped Meat broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>1 day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Purity of this lot was assessed for 8 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 8 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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