

***Limosilactobacillus reuteri*, Strain CF48-3A**

**Catalog No. HM-102**

**Product Description:**

*L. reuteri*, strain CF48-3A was isolated from the feces of a healthy child from Finland. Previously referred to as *Lactobacillus reuteri*, this genus has been reclassified and the genus designation on the vial label refers to the old nomenclature. HM-102 was produced by the inoculation of BEI Resources seed lot 58732478 into Lactobacilli MRS broth and incubated for 1 day at 37°C in an aerobic atmosphere. The material from the initial growth was passaged once in Lactobacilli MRS broth for 1 day at 37°C in an aerobic atmosphere to produce this lot.

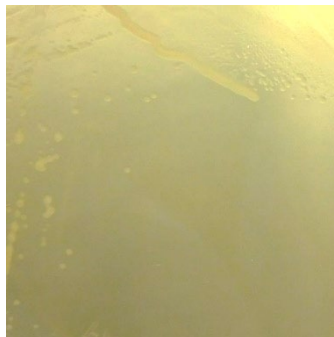
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

**Lot: 70042606**

**Manufacturing Date: 03MAR2021**

| TEST   | SPECIFICATIONS  | RESULTS   |
|--|---|---|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>1 day at 37°C in an aerobic atmosphere with and without 5% CO <sub>2</sub> on Lactobacilli MRS agar<br><br>Colony morphology<br>1 day at 37°C in an aerobic atmosphere with and without 5% CO <sub>2</sub> on Lactobacilli MRS agar<br><br>Motility (wet mount) | Gram-positive rods<br><br><br>Report results<br><br><br>Report results                  | Gram-positive rods<br><br><br>Circular, convex, entire, opaque and cream (Figure 1)<br><br><br>Non-motile |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1360 base pairs)  | ≥ 99% sequence identity to <i>L. reuteri</i> , strain CF48-3A (GenBank: ACHG01000231.1) | 99.8% sequence identity to <i>L. reuteri</i> , strain CF48-3A (GenBank: ACHG01000231.1)                   |
| <b>Purity (post-freeze)</b><br>7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood  | Growth consistent with expected colony morphology                                       | Growth consistent with expected colony morphology   |
| <b>Viability (post-freeze)</b><br>1 day at 37°C in an aerobic atmosphere with and without 5% CO <sub>2</sub> on Lactobacilli MRS agar  | Growth  | Growth  |

**Figure 1: Colony Morphology**



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