

***Limosilactobacillus reuteri*, Strain CD48-3A**

**Catalog No. HM-102**

**Product Description:**

*L. reuteri*, strain CD48-3A was isolated from the feces of a healthy child from Finland. Previously referred to as *Lactobacillus reuteri*, this genus has been reclassified. HM-102 was produced by inoculation of BEI Resources seed lot 58732478 into Lactobacilli MRS broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was passaged once into Lactobacilli MRS broth, which was grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

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: 70074184**

**Manufacturing Date: 10JAN2025**

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TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology 1 day at 37°C in an aerobic atmosphere on Lactobacilli MRS agar Colony morphology 1 day at 37°C in an aerobic atmosphere on Lactobacilli MRS agar Motility (wet mount)	Gram-positive rods  Report results  Report results	Gram-positive rods  Circular, convex, entire, smooth and cream  Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1370 base pairs)	≥ 99% sequence identity to <i>L. reuteri</i> , strain CF48-3A (GenBank: ACHG01000231.1)	100% sequence identity to <i>L. reuteri</i> strain CF48-3A (GenBank: ACHG01000231.1) <sup>1</sup>
<b>Purity (post-freeze)</b> 10 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> 1 day at 37°C in an aerobic atmosphere on Lactobacilli MRS agar	Growth	Growth

<sup>1</sup>Also consistent with other *Limosilactobacillus* species

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