

***Achromobacter xylosoxidans*, Strain C54**

**Catalog No. HM-235**

**Product Description:**

*Achromobacter xylosoxidans* (*A. xylosoxidans*), strain C54 was isolated in February 2006 from a non-cystic fibrosis bronchiectasis sputum sample from a 65-year-old male patient. HM-235 was produced by the inoculation of BEI Resources seed lot 60944672 into Nutrient broth and incubated for 3 days at 37°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles, which were grown for 3 days 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: 70057433**

**Manufacturing Date: 19DEC2022**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount)	Gram-negative rods Report results  Report results	Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1)  Motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>A. xylosoxidans</i> , strain C54 (GenBank: ACRC01000072.1)	99.9% sequence identity to <i>A. xylosoxidans</i> , strain C54 (GenBank: ACRC01000072.1) <sup>1</sup>
<b>Purity (post-freeze)</b> 7 days at 37°C in an aerobic atmosphere with and without 5% CO <sub>2</sub> on Nutrient agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)</b>	Growth	Growth

<sup>1</sup>Also consistent with other *Achromobacter* species.

**Figure 1: Colony Morphology**



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