

**Elizabethkingia occulta, Strain G4070**

**Catalog No. NR-51493**

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**Product Description:**

*Elizabethkingia occulta* (*E. occulta*), strain G4070 was isolated in 1977 from the sputum of a human in Melbourne Australia. NR-51493 lot 70033896 was produced by inoculation of the deposited material into Nutrient broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles, which were 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.

**Lot: 70033896**

**Manufacturing Date: 25MAR2020**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount) Biochemical characterization Catalase Oxidase VITEK® MS (MALDI-TOF)	Gram-negative rods Report results  Report results  Positive Positive <i>Elizabethkingia spp.</i>	Gram-negative rods Circular, convex, entire, smooth and white (Figure 1) Non-motile  Positive Positive <i>E. miricola</i> (99.9%) <sup>1</sup>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>E. occulta</i> , strain G4070 (GenBank: MAHX01000009.1)	99.9% sequence identity to <i>E. occulta</i> , strain G4070 (GenBank: MAHX01000009.1) <sup>2</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>VITEK® MS (MALDI-TOF) database does not contains *E. occulta*. The test was used to confirm to genus. For additional information, refer to Lin, J.-N., et al. "Elizabethkingia Infections in Humans: From Genomics to Clinics." *Microorganisms* 7 (2019): 295. PubMed: 31466280.

<sup>2</sup>Also consistent with other *Elizabethkingia* species

**Figure 1: Colony Morphology**



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