

Genomic DNA from *Candida auris*, Strain AKU-2018-257

Catalog No. NR-53767

Product Description:

Genomic DNA was extracted from a preparation of *Candida auris* (*C. auris*), strain AKU-2018-257, which was isolated in 2018 from the bloodstream of a human with nosocomial fungemia in Karachi, Pakistan. The fungal preparation used for extraction of genomic DNA was produced from a culture of BEI Resources NR-53767 lot 70066649 using proprietary technology and is provided in 10 mM Tris-HCl, 0.1 mM EDTA, pH 8.5.

Lot: 70066649

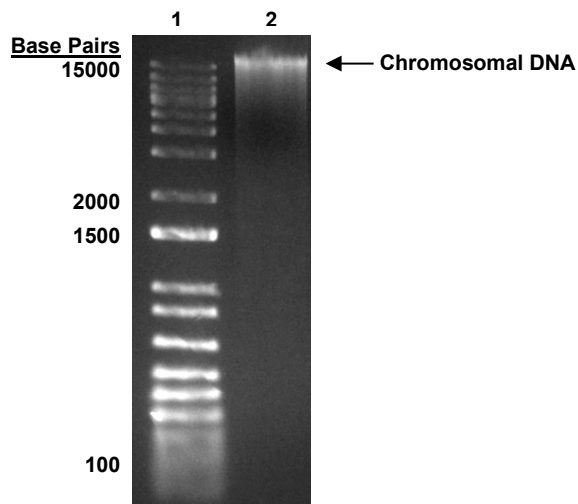
Manufacturing Date: 12MAR2025

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TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.2 to 3.5 µg in 20 to 200 µL/vial	1.5 µg in 70 µL/vial (21.3 µg/mL)
Amount per Vial	0.2 to 3.5 µg	1.5 µg
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 360 base pairs) Sequencing of 28S rRNA gene (~ 540 base pairs)	≥ 99% sequence identity to <i>C. auris</i> , strain B8441 (GenBank: PEKT03000002.1) ≥ 99% sequence identity to <i>C. auris</i> , strain B8441 (GenBank: PEKT03000002.1)	100% sequence identity to <i>C. auris</i> , strain B8441 (GenBank: PEKT03000002.1) 100% sequence identity to <i>C. auris</i> , strain B8441 (GenBank: PEKT03000002.1)
Functional Activity by PCR Amplification¹ rRNA gene	~ 1100 base pair amplicon	~ 1100 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	1.9
Protozoan Inactivation 10% of total DNA yield inoculated in Yeast Mold agar and incubated for 14 days at 25°C in an ambient atmosphere	No viable organisms detected	No viable organisms detected

¹Primer sequences and conditions for PCR are available upon request.

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: ~ 200 ng of NR-53766

/Sonia Bjorum Brower/
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Technical Manager or designee, ATCC Federal Solutions

28 OCT 2025

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