

Genomic DNA from *Candida albicans*, Strain L26

Catalog No. NR-50361

Product Description:

Genomic DNA was extracted from a preparation of *Candida albicans* (*C. albicans*), strain L26. *C. albicans*, strain L26 is a vaginal isolate from a vaginitis patient collected in Iowa City, Iowa, USA. The fungal preparation used for extraction of genomic DNA was produced from a culture of NRS-29445 lot 60282435. Genomic DNA was extracted using proprietary technology and is provided in TE buffer (10 mM Tris, 0.5 mM EDTA, pH ~ 8.5).

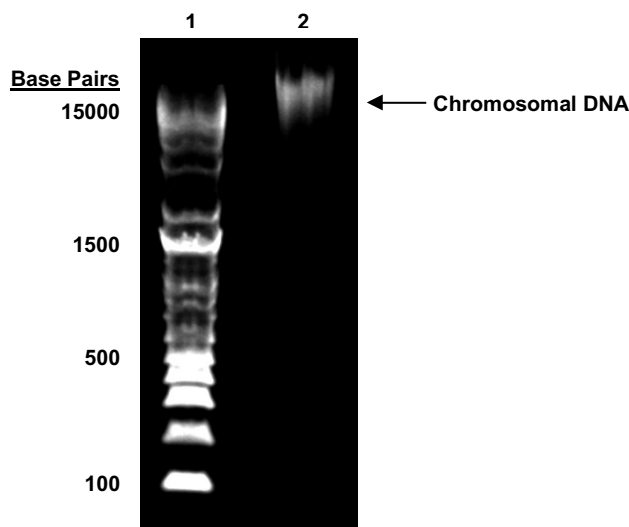
Lot: 70060242

Manufacturing Date: 07DEC2023

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.2 µg to 3.5 µg in 20 to 200 µL/vial	1.7 µg in 55 µL/vial (31 µg/mL)
Amount per Vial	0.2 µg to 3.5 µg	1.7 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 (~ 500 base pairs) Sequencing of 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055.1) ≥ 99% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055.1)	100% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055.1) 100% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055.1)
Functional Activity by PCR Amplification Partial 28S ribosomal RNA gene ¹	~ 1100 base pair amplicon	~ 1100 base pair amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 2.1	1.9

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-50361

/Sonia Bjorum Brower/

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23 JUN 2025

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