

Genomic DNA from *Candida albicans*, Strain 12C

Catalog No. NR-50307

Product Description:

Genomic DNA was extracted from a preparation of *Candida albicans* (*C. albicans*), strain 12C, which is an oral isolate obtained between 1990 and 1992 from a vaginitis patient in Ann Arbor, Michigan, USA. The fungal preparation used for extraction of genomic DNA was produced from a culture of BEI Resources NR-29444 lot 70032409 using proprietary technology and is provided in 10 mM Tris-HCl, 1 mM EDTA, pH 8.

Lot: 70079685

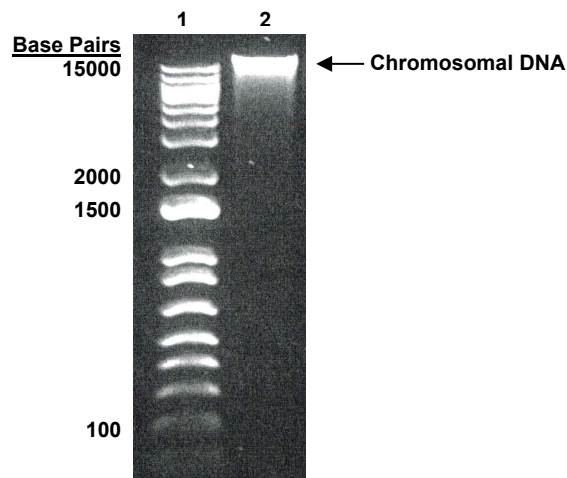
Manufacturing Date: 27FEB2026

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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	1.1 µg in 54 µL/vial (20 µg/mL)
Amount per Vial	0.2 to 3.5 µg	1.1 µg
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 500 base pairs) Sequencing of 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) ≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)	100% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) ¹ 100% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)
Functional Activity by PCR Amplification ¹ rRNA gene	~ 1100 base pair amplicon	~ 1200 base pair amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 2.1	1.8

¹Genomic sequence of *C. albicans*, strain 12C is available in GenBank, but does not contain the regions required for alignment.

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder

Lane 2: ~ 200 ng of NR-50307

/Sonia Bjorum Brower/

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15 JUN 2026

Technical Manager or designee, ATCC Federal Solutions

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