

Genomic DNA from *Candida albicans*, Strain 23B

Catalog No. NR-50366

Product Description: Genomic DNA was extracted from a preparation of *Candida albicans* (*C. albicans*), strain 23B. *C. albicans*, strain 23B is a human isolate from China.

Lot^{1,2}: 64362139

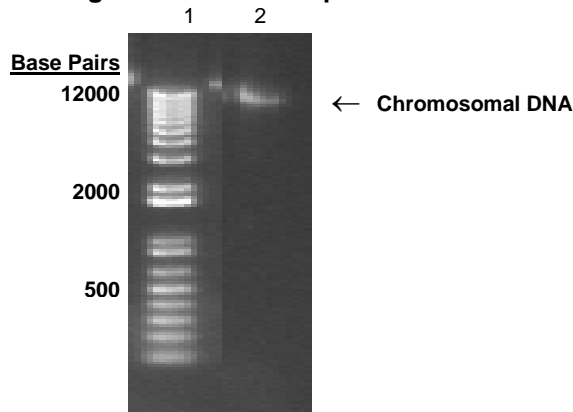
Manufacturing Date: 14JUN2016

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 500 base pairs) D1D2 region of the 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)	99.6% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) 99.8% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	Report results	5.3 µg in 74 µL per vial (72 µg/mL)
Amount per vial	≥ 5 µg per vial	5.3 µg
Functional Activity by PCR Amplification Partial 28S ribosomal RNA gene	~ 1100 base pair amplicon	~ 1100 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	1.9

¹The fungal preparation used for extraction of genomic DNA was produced from a culture of NRS-29340 (Lot 61662626). Genomic DNA was extracted using proprietary technology.

²NR-50366, Lot 64362139, was vialled in Tris-HCl EDTA buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 8.0).

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 360 ng of NR-50366

Date: 27 JUL 2017

Signature:

BEI Authentication or designee

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