

Genomic DNA from *Candida albicans*, Strain P87

Catalog No. NR-50364

Product Description: Genomic DNA was extracted from a preparation of *Candida albicans* (*C. albicans*), strain P87. *C. albicans*, strain P87 is an oral isolate from an HIV+ person collected in Pretoria, South Africa.

Lot^{1,2}: 64362137

Manufacturing Date: 13JUN2016

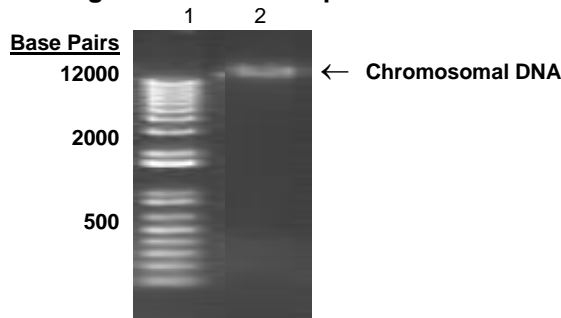
TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis³ Partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 490 base pairs) D1D2 region of the 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) ≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)	99.4% 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)
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen[®] Measurement	Report results	5.2 µg in 77 µL per vial (67 µg/mL)
Amount per vial	≥ 5 µg per vial	5.2 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-29453 (Lot 60952563). Genomic DNA was extracted using proprietary technology.

²NR-50364, Lot 64362137, was vialled in Tris-HCl EDTA buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 8.0).

³Sequence information for *Candida albicans*, strain P87 is available in GenBank, but does not appear to contain the ITS or D1D2 regions.

Figure 1: Agarose Gel Electrophoresis



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

Lane 2: 335 ng of NR-50364

Date: 31 JUL 2017

Signature:

BEI Authentication or designee

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