

**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.

**Lot<sup>1,2</sup>: 64362135**

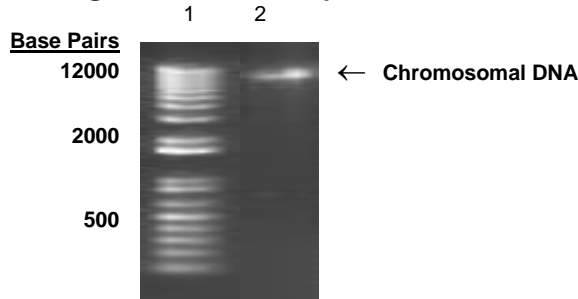
**Manufacturing Date: 07JUN2016**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 130 base pairs) D1D2 region of the 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055)  ≥ 99% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055)	100% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055)  100% sequence identity to <i>C. albicans</i> , strain L26 (GenBank: AJIR01000055)
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Concentration by PicoGreen® Measurement</b>	Report results	5.5 µg in 79 µL per vial (70 µg/mL)
<b>Amount per vial</b>	≥ 5 µg per vial	5.5 µg
<b>Functional Activity by PCR Amplification</b> Partial 28S ribosomal RNA gene	~ 1100 base pair amplicon	~ 1100 base pair amplicon
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 2.1	1.9

<sup>1</sup>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.

<sup>2</sup>NR-50361, Lot 64362135, was vialied 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: 350 ng of NR-50361

**Date:** 31 JUL 2017

**Signature:** 

BEI Authentication or designee

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