

Genomic DNA from *Aspergillus fumigatus*, Strain B5859

Catalog No. NR-50384

Product Description:

Genomic DNA was extracted from *Aspergillus fumigatus*, strain B5859. Lot 70004169 was produced from a preparation of NR-35304 lot 63007452, extracted using proprietary technology and vialled in TE buffer, pH ~ 8.0 (Sigma T-9285).

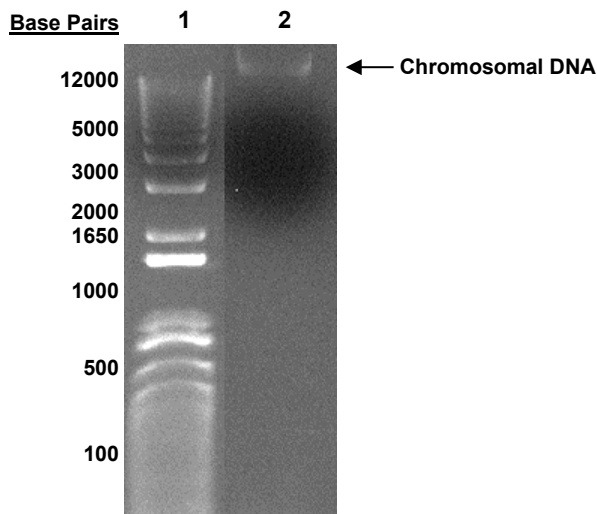
Lot: 70004169

Manufacturing Date: 17APR2019

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 (~710 base pairs)	≥ 99% sequence identity to <i>A. fumigatus</i> reference strain (GenBank: HQ026746.1)	100% sequence identity to <i>A. fumigatus</i> reference strain (GenBank: HQ026746.1)
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 per vial	1.7 µg per 24 µL (0.07 µg per µL)
Functional Activity by PCR Amplification Ribosomal RNA and ITS region	~ 1200 base pair amplicon	~ 1200 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	2.0
Fungal Inactivation 20% of total yield inoculated in medium ¹	No viable organisms detected	No viable organisms detected

¹Incubated for 14 days at 26°C in an aerobic atmosphere in Modified Sabouraud Dextrose agar

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-50384

/Heather Couch/

Heather Couch

30 JUL 2020

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