

Aspergillus fumigatus, Strain B5852

Catalog No. NR-35301

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Product Description:

Aspergillus fumigatus (*A. fumigatus*), strain B5852 was obtained in 1998 from human abdominal tissue in California, USA. NR-35301 was produced by inoculation of BEI Resources seed lot 62486455 onto Potato Dextrose agar kolles, which were grown for 4 days at 25°C in an aerobic atmosphere. The agar growth was harvested with 20% glycerol to produce this lot.

Lot: 70060241

Manufacturing Date: 01AUG2023

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology Surface 3 days at 25°C in an aerobic atmosphere on Potato Dextrose agar Conidial morphology Conidia, conidiophore 3 days at 25°C in an aerobic atmosphere on Potato Dextrose agar VITEK® MS (MALDI TOF)	Report results Report results <i>A. fumigatus</i>	Dark olive green, low, velutinous, powdery; pale mycelium (Figure 1) Pyriform vesicles; phialides in uniseriate arrangement; globose to subglobose (Figure 2) <i>A. fumigatus</i> (99.9%)
Genotypic Analysis Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA (rRNA) gene, and ITS 2 (~ 560 base pairs) Sequencing of 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>A. fumigatus</i> type strain (GenBank: HQ026746.1) ≥ 99% sequence identity to <i>A. fumigatus</i> type strain (GenBank: KU729178.1)	99.8% sequence identity to <i>A. fumigatus</i> type strain (GenBank: HQ026746.1) ¹ 100% sequence identity to <i>A. fumigatus</i> type strain (GenBank: KU729178.1) ¹
Purity⁵ Nutrient broth with 0.1% Yeast Extract at 25°C 3 days in an aerobic atmosphere Nutrient broth with 0.1% Yeast Extract at 37°C 3 days in an aerobic atmosphere	No bacterial growth No bacterial growth	No bacterial growth No bacterial growth
Viability (post-freeze) 3 days at 25°C in an aerobic atmosphere on Potato Dextrose agar	Growth	Growth

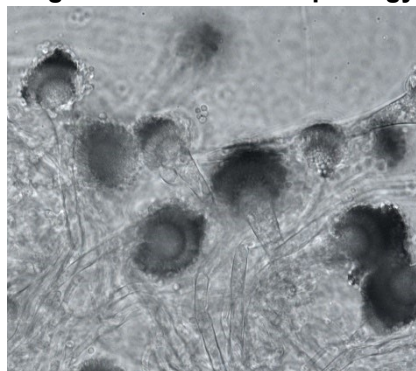
¹Also consistent with other *Aspergillus* species

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Figure 1: Colony Morphology



Figure 2: Conidial Morphology



/Sonia Bjorum Brower/

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