

***Aspergillus fumigatus*, Strain Isolate 2**

Catalog No. NR-41312

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Product Description:

Aspergillus fumigatus (*A. fumigatus*), isolate 2, was obtained from human sputum. NR-41312 was produced by inoculation of BEI Resources seed lot 61697598 onto Emmons Modified Sabouraud agar kolles, which were grown for 4 days at 25°C in an aerobic atmosphere. The agar growth was harvested with 10% glycerol to produce this lot.

Lot: 70073724

Manufacturing Date: 12MAR2025

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology 4 days at 25°C in an aerobic atmosphere on Emmons Modified Sabouraud agar Surface Reverse Conidial morphology 4 days at 25°C in an aerobic atmosphere on Emmons Modified Sabouraud agar Conidia, conidiophore VITEK® MS (MALDI TOF)	Report results Report results Report results <i>A. fumigatus</i>	Blue-green to gray, low, powdery (Figure 1) Dull yellow Spathulate vesicles in uniseriate arrangement; smooth-walled conidia (Figure 2) <i>A. fumigatus</i> (99.9%)
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 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)	100% 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
Purity 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 Emmons Modified Sabouraud agar	Growth	Growth

¹Also consistent with other *Aspergillus* species

Figure 1: Colony Morphology



Figure 2: Conidial Morphology



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