

**Aspergillus fumigatus, Isolate 2**

**Catalog No. NR-41312**

**Product Description:** *Aspergillus fumigatus* (*A. fumigatus*), isolate 2, was obtained from human sputum.

**Lot<sup>1</sup>: 61697597**

**Manufacturing Date: 30MAY2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Colony morphology <sup>2</sup>  Conidial morphology <sup>2</sup> Conidia Conidial heads	Report results  Report results Report results	Gray to green with white margins (Figure 1A)  Globose to ovoid and smooth Columnar strips, smooth-walled, expanding gradually into pyriform (Figure 1B)
<b>Genotypic Analysis</b> Sequencing of internal transcribed spacer (ITS) 1 (~ 580 base pairs) Sequencing of beta-tubulin gene (~ 450 base pairs)	Consistent with <i>A. fumigatus</i>  Consistent with <i>A. fumigatus</i>	Consistent with <i>A. fumigatus</i> <sup>3</sup>  Consistent with <i>A. fumigatus</i> <sup>4</sup>
<b>Purity<sup>5</sup></b> Nutrient broth with 0.1% Yeast Extract at 25°C Nutrient broth with 0.1% Yeast Extract at 37°C	No bacterial growth No bacterial growth	No bacterial growth No bacterial growth
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-41312 was produced by growth of the deposited material on Yeast Mold agar in an aerobic atmosphere at 25°C for 7 days.

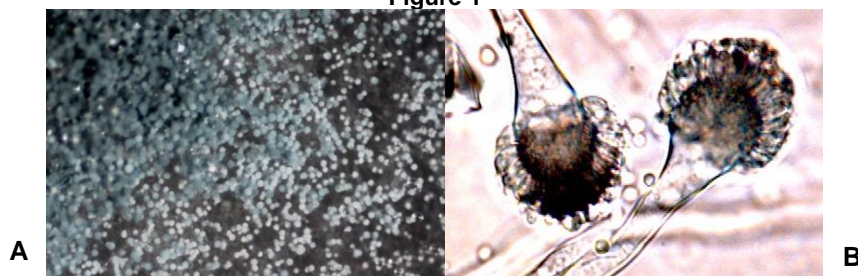
<sup>2</sup>4 days at 25°C in an aerobic atmosphere on Yeast Mold agar

<sup>3</sup>Sequence aligns with 100% similarity to *A. fumigatus* type strain 118 (ATCC® 1022™)

<sup>4</sup>Sequence aligns with >99.7% similarity to *A. fumigatus* type strain 118 (ATCC® 1022™)

<sup>5</sup>Clarity of broth was determined by visual inspection after 3 days at 25°C and 37°C in an aerobic atmosphere.

Figure 1



**Date:** 28 AUG 2014

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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