

Aspergillus fumigatus, Isolate 1

Catalog No. NR-41311

Product Description: *Aspergillus fumigatus* (*A. fumigatus*), isolate 1, was obtained from human sputum.

Lot¹: 61697596

Manufacturing Date: 30MAY2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology ² Surface, reverse, hyphae	Report results	White to dark green, velvet to wooly; tan; hyaline and guttulate (Figure 1A)
Conidial morphology ² Conidia, conidial heads, phialides	Report results	Green, globose and smooth; pyriform and radiate; club-shaped (Figure 1B)
Genotypic Analysis Sequencing of internal transcribed spacer (ITS) 1 (~ 560 base pairs)	Consistent with <i>A. fumigatus</i>	Consistent with <i>A. fumigatus</i> ³
Sequencing of beta-tubulin gene (~ 450 base pairs)	Consistent with <i>A. fumigatus</i>	Consistent with <i>A. fumigatus</i> ⁴
Purity⁵ 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
Viability (post-freeze)²	Growth	Growth

¹NR-41311 was produced by growth of the deposited material on Yeast Mold agar in an aerobic atmosphere at 25°C for 5 days.

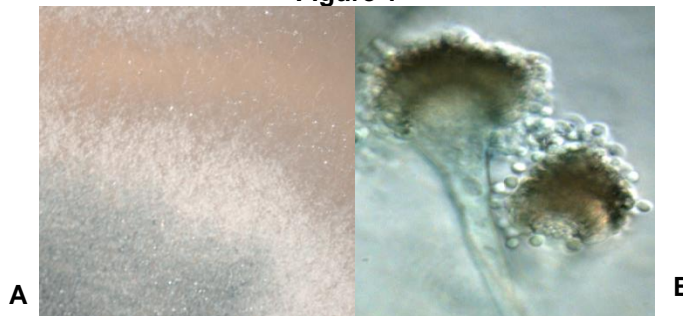
²6 days at 25°C in an aerobic atmosphere on Yeast Mold agar

³Sequence aligns with >99.8% similarity to *A. fumigatus* type strain 118 (ATCC® 1022™)

⁴Sequence aligns with >99.5% similarity to *A. fumigatus* type strain 118 (ATCC® 1022™)

⁵Clarity of broth was determined by visual inspection after 4 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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