

***Cryptococcus neoformans*, Isolate 1**

Catalog No. NR-41291

Product Description: *Cryptococcus neoformans* (*C. neoformans*), isolate 1, was obtained from human cerebrospinal fluid in China in July 2011.

Lot¹: 61680506

Manufacturing Date: 19APR2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ² Colony morphology ² Vitek [®] 2 Systems Version: 05.01 (YST card)	Report results Report results Consistent with <i>C. neoformans</i>	Sub-globose to globose, usually single (Figure 1A) Circular, entire, smooth, mucoid and white (Figure 1B) Consistent with <i>C. neoformans</i>
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 520 base pairs) Sequencing of 26S rRNA gene (~ 620 base pairs)	Consistent with <i>C. neoformans</i> Consistent with <i>C. neoformans</i>	Consistent with <i>C. neoformans</i> ^{3,4} Consistent with <i>C. neoformans</i> ^{3,4}
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-41291 was produced by growth of the deposited material on Yeast Mold agar in an aerobic atmosphere at 25°C. An inoculum from the plate was added Yeast Mold broth and grown 24 hours at 25°C in an aerobic atmosphere. A second broth passage was grown 7 days under propagation conditions and used to produce this lot.

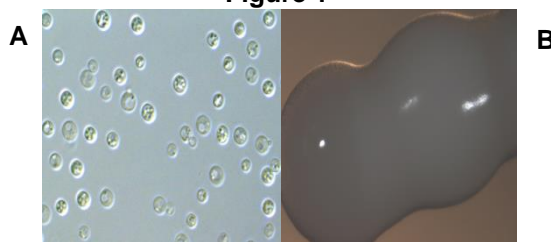
²2 days at 25°C in an aerobic atmosphere on Yeast Mold agar

³Also consistent with *C. gattii*

⁴Sequence matches with >99% similarity to *C. neoformans* type strain CBS 132 (also referred to as CCRC 20528, DBVPG 6010, IFO 0608, NRRL Y-2534 and ATCC[®] 32045™)

⁵Clarity of broth was determined by visual inspection after 2 days at 25°C and 37°C and aerobic atmosphere.

Figure 1



Date: 30 MAY 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

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