

**Cryptococcus neoformans, Isolate 5**

**Catalog No. NR-41295**

**Product Description:** *Cryptococcus neoformans* (*C. neoformans*), isolate 5, was obtained from human cerebrospinal fluid in China in February 2012.

**Lot<sup>1</sup>: 61680510**

**Manufacturing Date: 19APR2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology <sup>2</sup> Colony morphology <sup>2</sup>  VITEK® 2 Systems Version: 05.01 (YST card)	Report results Report results  Consistent with <i>C. neoformans</i>	Globose, single or in pairs (Figure 1A) Entire, smooth, butyrous and white (Figure 1B) Consistent with <i>C. neoformans</i>
<b>Genotypic Analysis</b> 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> <sup>3,4</sup>  Consistent with <i>C. neoformans</i> <sup>3,4</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-41295 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 to Yeast Mold broth and grown 3 days at 25°C in an aerobic atmosphere to produce this lot.

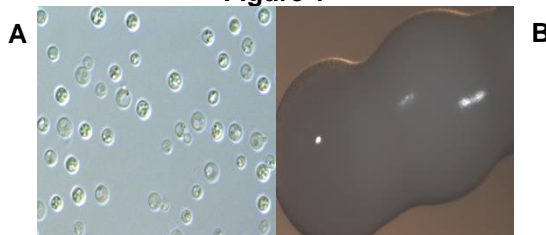
<sup>2</sup>4 days at 25°C in an aerobic atmosphere on Yeast Mold agar

<sup>3</sup>Also consistent with *C. gattii*

<sup>4</sup>Sequence 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™)

<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:** 24 JUN 2014

**Signature:**

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

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