

***Cryptococcus neoformans*, Isolate 4**

Catalog No. NR-41294

Product Description:

Cryptococcus neoformans (*C. neoformans*), isolate 4 was obtained from human cerebrospinal fluid in China in June 2011. NR-41294 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 for 1 day at 25°C in an aerobic atmosphere. A second broth passage was grown for 7 days under propagation conditions and used to produce this lot.

Lot: 61680509

Manufacturing Date: 19APR2013

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar Colony morphology 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar VITEK® 2 (YST card)	Report results Report results <i>C. neoformans</i> (≥ 89%)	Globose, usually single (Figure 1) Circular, entire, smooth, butyrous and white (Figure 2) <i>C. neoformans</i> (97%)
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 520 base pairs) Sequencing of 26S rRNA gene (~ 620 base pairs)	≥ 99% sequence identity to <i>C. neoformans</i> type strain (GenBank: CP003821.1) ≥ 99% sequence identity to <i>C. neoformans</i> type strain (GenBank: CP003821.1)	100% sequence identity to <i>C. neoformans</i> type strain (GenBank: CP003821.1) ¹ 100% sequence identity to <i>C. neoformans</i> type strain (GenBank: CP003821.1) 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 Yeast Mold agar	Growth	Growth

¹Also consistent with other *Cryptococcus* species

Figure 1: Cellular Morphology

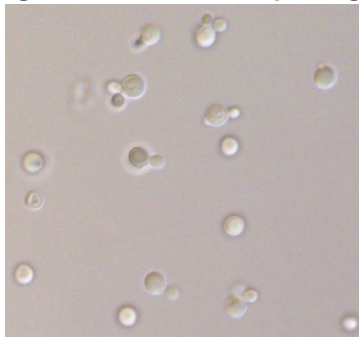
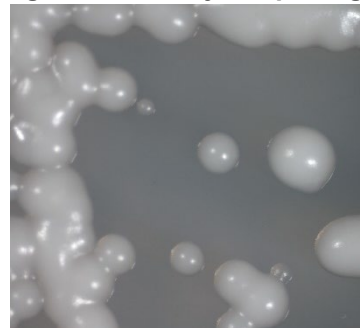


Figure 2: Colony Morphology



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25 SEP 2025

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