Certificate of Analysis for NR-29448

Candida albicans, Strain P60002

Catalog No. NR-29448

Product Description:

Candida albicans (C. albicans), strain P60002 is an isolate from a person with a bloodstream infection collected in Arizona, USA. Strain P60002 is known to have an **a**/**a** *MTL* genotype. NR-29448 was produced by inoculation of BEI Resources seed lot 60952587 into Yeast Mold agar, which was grown for 3 days at 25°C in an aerobic atmosphere. The agar growth was harvested with 20% glycerol to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70061405 **Manufacturing Date: 11AUG2023**

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Report results	Globose-to-subglobose; no pseudohyphae observed (Figure 1)
Colony morphology	Report results	Butyrous and cream (Figure 2)
VITEK® 2 (YST card)	*C. albicans* (≥ 89%)	*C. albicans* (99%)
VITEK® MS (MALDI-TOF)	*C. albicans*	*C. albicans* (99.9%)
Genotypic Analysis		
Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 540 base pairs)	≥ 99% sequence identity to *C. albicans*, strain P60002 (GenBank: JSXP01000041.1)	99.8% sequence identity to *C. albicans*, strain P60002 (GenBank: JSXP01000041.1)
Sequencing of 28S rRNA gene (~ 600 base pairs)	≥ 99% sequence identity to *C. albicans*, strain P60002 (GenBank: JSXP01000041.1)	100% sequence identity to *C. albicans*, strain P60002 (GenBank: JSXP01000041.1)
Purity		
Nutrient broth with 0.1% Yeast Extract at 25°C 3 days in an aerobic atmosphere	No bacterial growth	No bacterial growth
Nutrient broth with 0.1% Yeast Extract at 37°C 3 days in an aerobic atmosphere	No bacterial growth	No bacterial growth
Viability (post-freeze)	Growth	Growth

Figure 1: Cellular Morphology

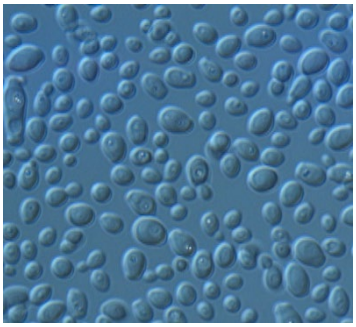
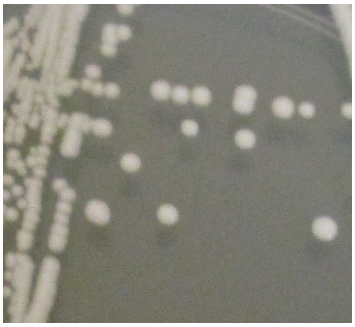


Figure 2: Colony Morphology



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/Sonia Bjorum Brower/
Sonia Bjorum Brower 05 DEC 2023
Technical Manager or designee, ATCC Federal Solutions

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Support Provided by NIAID

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