

Candida albicans, Strain P57072

Catalog No. NR-29435

Product Description:

Candida albicans (*C. albicans*), strain P57072 is a bloodstream isolate from a person with a bloodstream infection collected in Iowa City, Iowa, USA, in 2000. Strain P57072 is a member of genetic clade II and has an alpha/alpha alpha/alpha mating-type locus (*MTL*) genotype. NR-29435 was produced by inoculation of BEI Resources seed lot 60842899 onto 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: 70056755

Manufacturing Date: 23JUN2023

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology VITEK® 2 (YST card) VITEK® MS (MALDI-TOF)	Report results Report results <i>C. albicans</i> (≥ 89%) <i>C. albicans</i>	Globose-to-subglobose; pseudohyphae was not observed (Figure 1) Circular, butyrous and cream (Figure 2) <i>C. albicans</i> (99%) <i>C. albicans</i> (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 (~ 500 base pairs) Sequencing of 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) ≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)	100% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) 99.8% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)
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)	Growth	Growth

Figure 1: Cellular Morphology

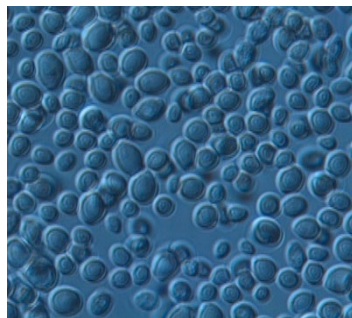
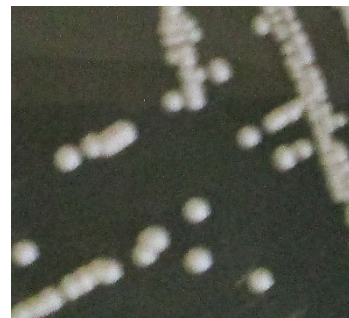


Figure 2: Colony Morphology



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20 SEP 2024

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