

Candida albicans, Strain GC75

Catalog No. NR-29452

Product Description:

Candida albicans (*C. albicans*), strain GC75 is an oral isolate from a healthy person collected in Medunsa, South Africa. Strain GC75 is a member of genetic clade SA and has an alpha/alpha mating-type locus (*MTL*) genotype. NR-29452 was produced by inoculation of BEI Resources seed lot 60952571 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: 70060984

Manufacturing Date: 09JUN2023

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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; no pseudohyphae observed (Figure 1) Butyrous and off-white to 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)	99.8% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) 99.7% 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

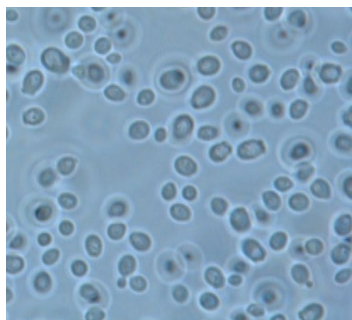
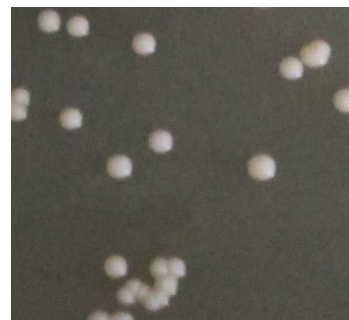


Figure 2: Colony Morphology



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Technical Manager or designee, ATCC Federal Solutions

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