

Candida albicans, Strain 23B

Catalog No. NR-29340

Product Description:

Candida albicans (*C. albicans*), strain 23B was isolated from a human in China. NR-29340 lot 70045417 was produced by inoculation of BEI Resources seed lot 70045417 onto Yeast Mold agar, which was grown for 4 days at 25°C in an aerobic atmosphere. The agar growth was harvested with 20% glycerol to produce this lot.

Lot: 70045417

Manufacturing Date: 18JUN2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar Colony morphology VITEK® MS (MALDI-TOF) Biochemical tests VITEK® 2 (YST card)	Report results Report results <i>C. albicans</i> <i>C. albicans</i> (≥ 89%)	Globose-to-subglobose, in singles and in clusters; pseudohyphae observed (Figure 1a) Butyrous and off-white (Figure 1b) <i>C. albicans</i> (99.9%) <i>C. albicans</i> (99%)
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)	99.6% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) ¹ 99.8% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) ¹
Purity 3 days at 25°C in an aerobic atmosphere in Nutrient broth with 0.1% Yeast Extract 3 days at 37°C in an aerobic atmosphere in Nutrient broth with 0.1% Yeast Extract 3 days at 25°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	No bacterial growth No bacterial growth 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 Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Also consistent with other *Candida* species

Figure 1a: Cellular Morphology

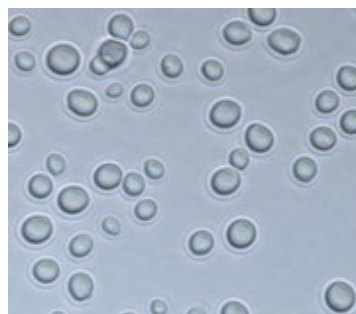
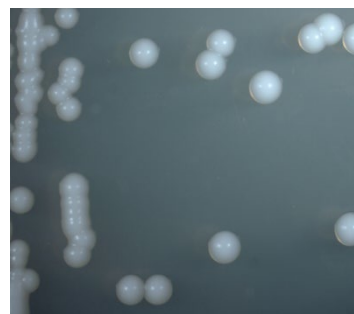


Figure 1b: Colony Morphology



/Heather Couch/

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