

**Candida albicans, Strain P34048**

**Catalog No. NR-29436**

**Product Description:**

*Candida albicans* (*C. albicans*), strain P34048 is a bloodstream isolate from a person with a bloodstream infection collected in Istanbul, Turkey, in 2001. Strain P34048 has an alpha/alpha mating-type locus (*MTL*) genotype. NR-29436 was produced by inoculation of BEI Resources seed lot 60842898 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.

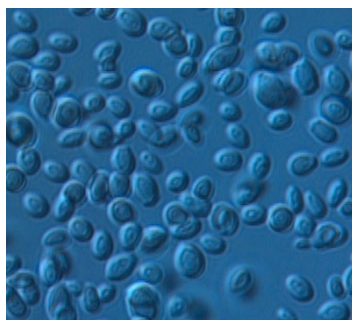
**Lot: 70058697**

**Manufacturing Date: 24FEB2023**

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TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b>		
Cellular morphology	Report results	Globose-to-ovoid; no pseudohyphae observed (Figure 1)
Colony morphology	Report results	Entire, butyrous and cream (Figure 2)
VITEK® 2 (YST card)	<i>C. albicans</i> (≥ 89%)	<i>C. albicans</i> (98%)
<b>Genotypic Analysis</b>		
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)	≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)	99.4% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)
Sequencing of 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)	99.5% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1)
<b>Purity</b>		
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
<b>Viability (post-freeze)</b>	Growth	Growth

**Figure 1: Cellular Morphology**



**Figure 2: Colony Morphology**



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