

**Candida albicans, Strain 19F**

**Catalog No. NR-29449**

**Product Description:**

*Candida albicans* (*C. albicans*), strain 19F is a vaginal isolate from a person with vaginitis collected in Ann Arbor, Michigan, USA, between 1990 and 1992. NR-29449 was produced by inoculation of BEI Resources seed lot 60952572 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.

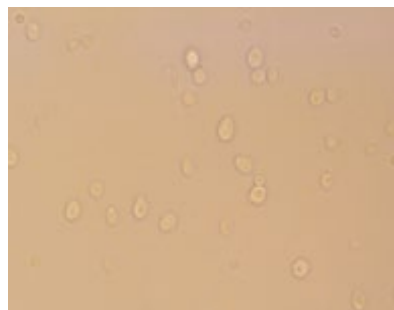
**Lot: 70058425**

**Manufacturing Date: 03FEB2023**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology 4 days at 25°C in an aerobic atmosphere on Yeast Mold agar Colony morphology VITEK® 2 (YST card)	Report results  Report results <i>C. albicans</i> (≥ 89%)	Globose-to-subglobose, in singles and small clumps; no pseudohyphae observed (Figure 1)  Entire, butyrous and cream (Figure 2) <i>C. albicans</i> (99%)
<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) 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) <sup>1</sup>  100% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) <sup>1</sup>
<b>Purity</b> 4 days at 25°C in an aerobic atmosphere in Nutrient broth with 0.1% Yeast Extract 4 days at 37°C in an aerobic atmosphere in Nutrient broth with 0.1% Yeast Extract	No bacterial growth  No bacterial growth	No bacterial growth  No bacterial growth
<b>Viability (post-freeze)</b> 4 days at 25°C in an aerobic atmosphere on Yeast Mold agar	Growth	Growth

<sup>1</sup>Also consistent with other *Candida* species

**Figure 1: Cellular Morphology**



**Figure 2: Colony Morphology**



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