

**Candida albicans, Strain 23R**

**Catalog No. NR-29339**

**Product Description:**

*Candida albicans* (*C. albicans*), strain 23R is a human isolate collected in China. NR-29339 was produced by inoculation of BEI Resources seed lot 61662627 onto Yeast Mold agar, which was grown for 3 days at 25°C in an aerobic atmosphere. The agar growth was harvested with 10% glycerol to produce this lot.

**Lot: 70036192**

**Manufacturing Date: 01JUN2020**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar Colony morphology VITEK® 2 (YST card) VITEK® MS (MALDI-TOF)	Report results Report results <i>C. albicans</i> (≥ 89%) <i>C. albicans</i> (≥ 90%)	Round-to-ovoid; in singles and in clusters; no pseudohyphae observed Round, butyrous, dull and off-white-to-cream <i>C. albicans</i> (99%) <i>C. albicans</i> (99.9%)
<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 (~ 860 base pairs) Sequencing of 28S rRNA gene (~ 860 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)	99.7% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) <sup>1</sup> 99.7% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) <sup>2</sup>
<b>Purity</b> Nutrient broth with 0.1% Yeast Extract at 25°C 3 days at 25°C in an aerobic atmosphere Nutrient broth with 0.1% Yeast Extract at 37°C 3 days at 25°C in an aerobic atmosphere	No bacterial growth No bacterial growth	No bacterial growth No bacterial growth
<b>Viability (post-freeze)</b> 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar	Growth	Growth

<sup>1</sup>Also consistent with *C. africana*

<sup>2</sup>Also consistent with *C. parapsilosis*, *C. tropicalis* and *Pichia kudriavzevii*

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Technical Manager or designee, ATCC Federal Solutions

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