# Certificate of Analysis for NR-29342

## *Candida albicans*, Strain 23P

## Catalog No. NR-29342

## Product Description:

*Candida albicans (C. albicans)*, strain 23P is a human isolate collected in China. NR-29342 was produced by inoculation of BEI Resources seed lot 61662624 onto Yeast Mold agar kolles, which were 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: 70065327** **Manufacturing Date: 05JAN2024**

BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: Contact@BEIResources.org. We try to respond to feedback within 24 hours.

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Phenotypic Analysis** | | |
| Cellular morphology | Report results | Globose-to-subglobose; no pseudohyphae observed (Figure 1) |
| Colony morphology | Report results | Circular, butyrous and cream (Figure 2) |
| VITEK® 2 (YST card) | *C. albicans* (≥ 89%) | *C. albicans* (99%) |
| VITEK® MS (MALDI-TOF) | *C. albicans* | *C. albicans* (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) | ≥ 99% sequence identity to *C. albicans* type strain (GenBank: CP017630.1) | 99.4% sequence identity to *C. albicans* type strain (GenBank: CP017630.1) |
| Sequencing of 28S rRNA gene (~ 590 base pairs) | ≥ 99% sequence identity to *C. albicans* type strain (GenBank: CP017630.1) | 99.8% sequence identity to *C. albicans* type strain (GenBank: CP017630.1) |
| **Purity** | | |
| 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 |
| **Viability (post-freeze)** | Growth | Growth |

**Figure 1: Cellular Morphology**

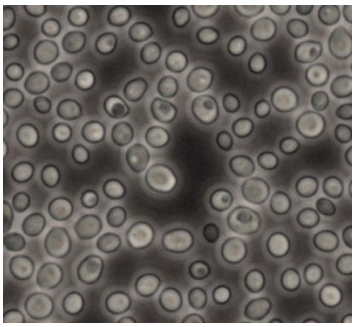
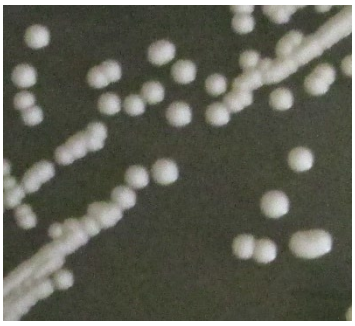


**Figure 2: Colony Morphology**



**BEI Resources**
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

# Certificate of Analysis for NR-29342

/Sonia Bjorum Brower/
Sonia Bjorum Brower 21 APR 2025
Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.



Support Provided by NIAID

**BEI Resources**
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898