

Candida albicans, Strain 12C

Catalog No. NR-29444

Product Description:

Candida albicans (*C. albicans*), strain 12C is an oral isolate from a vaginitis patient collected in Ann Arbor, Michigan, USA, between 1990 and 1992. Strain 12C is a member of genetic clade I and has an *a/a* *MTL* genotype. NR-29444 lot 70032409 was produced by inoculation of BEI Resources seed lot 60282436 onto Yeast Mold agar, which was grown for 5 days at 25°C in an aerobic atmosphere. The agar growth was harvested with 10% glycerol to produce this lot.

Lot: 70032409

Manufacturing Date: 13JAN2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar Colony morphology Biochemical Tests VITEK® 2 (YST card)	Report results Report results <i>C. albicans</i> (≥ 89%)	Globose-to-subglobose; budding observed; no pseudohyphae observed Round, butyrous and off-white <i>C. albicans</i> (95%)
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 530 base pairs) Sequencing of 28S rRNA gene (~ 600 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) ¹ 100% sequence identity to <i>C. albicans</i> type strain (GenBank: CP017630.1) ²
Purity 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
Viability (post-freeze) 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar	Growth	Growth

¹Also consistent with *C. africana*

²Also consistent with *C. parapsilosis*, *C. tropicalis* and *Pichia kudriavzevii*

/Heather Couch/

Heather Couch

18 SEP 2020

Program 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.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

