

Candida albicans, Strain L26

Catalog No. NR-29445

Product Description:

Candida albicans (*C. albicans*), strain L26 is a vaginal isolate from a vaginitis patient collected in Iowa City, Iowa, USA. Strain L26 is a member of genetic clade I and has an a/a MTL genotype. NR-29445 lot 70032410 was produced by inoculation of BEI Resources seed lot 60282435 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: 70032410

Manufacturing Date: 01JUN2020

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> (99%)
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 *Candida africana*

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

/Heather Couch/

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18 SEP 2020

Program Manager or designee, ATCC Federal Solutions

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