

Candida glabrata, Strain DSY565

Catalog No. NR-51686

Product Description:

Candida glabrata (*C. glabrata*; also referred to as *Nakaseomyces glabrata* and *Nakaseomyces glabratus*), strain DSY565 was isolated in 1995 from a patient with acquired immunodeficiency syndrome and oropharyngeal candidiasis following two courses of treatment with fluconazole. NR-51686 was produced by inoculation of BEI Resources seed lot 70027691 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: 70062769

Manufacturing Date: 01SEP2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology VITEK® 2 (YST card) VITEK® MS (MALDI-TOF)	Report results Report results <i>C. glabrata</i> (≥ 89%) <i>C. albicans</i>	Globose to ovoid; pseudohyphae was not observed Butyrous and cream <i>C. glabrata</i> (98%) <i>C. albicans</i> (99.9%)
Antibiotic Susceptibility Profile¹ Etest® antibiotic test strips 2 days at 35°C in an aerobic atmosphere on RPMI 1640 agar containing MOPS buffer and 2% glucose Amphotericin B Fluconazole Voriconazole	Susceptible Resistant Resistant	Susceptible (0.75 µg/mL) Resistant (96 µg/mL) Resistant (6 to 8 µg/mL)
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 840 base pairs) Sequencing of 28S rRNA gene (~ 600 base pairs)	≥ 99% sequence identity to <i>C. glabrata</i> , strain DSY565 (GenBank: MVOF01000013.1) ≥ 99% sequence identity to <i>C. glabrata</i> , strain DSY565 (GenBank: MVOE01000012.1)	100% sequence identity to <i>C. glabrata</i> , strain DSY565 (GenBank: MVOF01000013.1) 100% sequence identity to <i>C. glabrata</i> , strain DSY565 (GenBank: MVOE01000012.1)
Purity Nutrient broth with 0.1% Yeast Extract at 25°C 3 days in an aerobic atmosphere Nutrient broth with 0.1% Yeast Extract at 37°C 3 days in an aerobic atmosphere	No bacterial growth No bacterial growth	No bacterial growth No bacterial growth
Viability (post-freeze)	Growth	Growth

¹Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: Song, Y. B., et al. "Antifungal Susceptibility Testing with Etest for *Candida* Species Isolated from Patients with Oral Candidiasis." *Ann. Dermatol.* 27 (2015): 715-720. PubMed: 26719641.

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