

Candida albicans, Strain P78048

Catalog No. NR-29434

Product Description: *Candida albicans* (*C. albicans*), strain P78048 is a bloodstream isolate from a person with a bloodstream infection collected in Winnipeg, Manitoba, Canada, in 2000. Strain P78048 is a member of genetic clade I and has an alpha/alpha *MTL* genotype.

Lot¹: 60842872

Manufacturing Date: 16APR2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology ²	Report results	Globose to short-ovoid, usually single or budding, occasionally forming short chains (Figure 1A)
Colony morphology ²	Report results	Cream-coloured, smooth, glistening, dome-shaped, often becoming wrinkled with a mycelia border (Figure 1B)
CHROMagar Candida Testing ³	Green colonies (<i>C. albicans</i>)	Green colonies (<i>C. albicans</i>)
Biochemical tests: Vitek 2 Systems Version: 05.01 (YST card)	Consistent with <i>C. albicans</i>	Consistent with <i>C. albicans</i>
Genotypic Analysis		
Sequencing of partial 18S rRNA gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 740 base pairs)	Consistent with <i>C. albicans</i>	Consistent with <i>C. albicans</i>
Sequencing of 26S rRNA gene (~ 920 base pairs)	Consistent with <i>C. albicans</i>	Consistent with <i>C. albicans</i> ⁴
Purity (7 days)⁵		
Nutrient Broth with 0.1% Yeast Extract at 25°C	No bacterial growth	No bacterial growth
Nutrient Broth with 0.1% Yeast Extract at 37°C	No bacterial growth	No bacterial growth
Viability (post-freeze)²	Growth	Growth

¹The deposited material was inoculated into Yeast Mold (YM) broth and incubated for 3 days at 25°C and aerobic atmosphere to produce this lot.

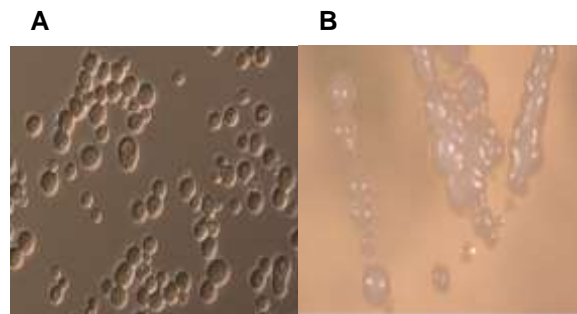
²4 days at 25°C and aerobic atmosphere on YM agar

³CHROMagar displays high sensitivity and specificity for three of the major *Candida* species (Odds, F. C., and R. Bernarts. "CHROMagar Candida, a New Differential Isolation Medium for the Presumptive Identification of Clinically Important *Candida* species." *J. Clin. Microbiol.* 32 (1994): 1923-1929. PubMed: 7989544.)

⁴Also consistent with *C. africana*

⁵Clarity of broth was determined by visual inspection.

Figure 1



Date: 24 JAN 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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