

**Candida albicans, Strain P78042**

**Catalog No. NR-29443**

**Product Description:** *Candida albicans* (*C. albicans*), strain P78042 is a bloodstream isolate from a person with a bloodstream infection collected in Indianapolis, Indiana, USA, in 2000. Strain P78042 is a member of genetic clade III and has an **a**/alpha *MTL* genotype.

**Lot<sup>1</sup>: 60917581**

**Manufacturing Date: 30APR2012**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b>		
Cellular morphology <sup>2</sup>	Report results	Globose to short-ovoid, usually single or budding, occasionally forming short chains (Figure 1A)
Colony morphology <sup>2</sup>	Report results	Cream-coloured, smooth, glistening, dome-shaped, often becoming wrinkled with a mycelia border (Figure 1B)
CHROMagar Candida Testing <sup>3</sup>	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>
<b>Genotypic Analysis</b>		
Sequencing of partial 18S rRNA gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 550 base pairs)	Consistent with <i>C. albicans</i>	Consistent with <i>C. albicans</i>
Sequencing of 26S rRNA gene (~ 780 base pairs)	Consistent with <i>C. albicans</i>	Consistent with <i>C. albicans</i>
<b>Purity (7 days)<sup>4</sup></b>		
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
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

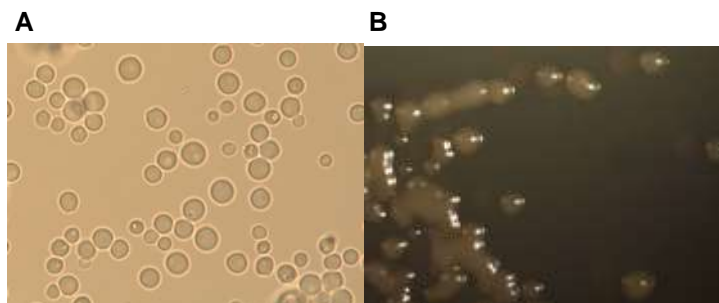
<sup>1</sup>The deposited material was inoculated into Yeast Mold (YM) broth and incubated for 3 days at 25°C and aerobic atmosphere to produce this lot.

<sup>2</sup>4 days at 25°C and aerobic atmosphere on YM agar

<sup>3</sup>CHROMagar 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.)

<sup>4</sup>Clarity 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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