

TABLE 5 Characteristics of *Candida* spp. most commonly encountered in the clinical laboratory<sup>a</sup>

Organism	Microscopic morphology on cornmeal-Tween 80 agar at 25°C	Growth:				Germ tubes	Urease (25°C)
		In Sabouraud broth	With cycloheximide at 25°C	On SDA at 37°C			
<i>C. albicans</i>	Pseudohyphae with terminal chlamydospores; clusters of blastoconidia at septa	NSG	+	+	+	0	
<i>C. dubliniensis</i>							
<i>C. tropicalis</i>	Blastoconidia anywhere along pseudohyphae	Narrow surface film with bubbles	0 <sup>v</sup>	+	0	0	
<i>C. parapsilosis</i>	Blastoconidia along curved pseudohyphae; giant mycelial cells	NSG	0	+	0	0	
<i>C. lusitanae</i>	Short chains of elongate blastoconidia along curved pseudohyphae	NSG	0	+	0	0	
<i>C. guilliermondii</i>	Fairly short, fine pseudohyphae; clusters of blastoconidia at septa	NSG	+	+	0	0	
<i>C. kefyr</i> ( <i>C. pseudotropicalis</i> )	Elongated blastoconidia resembling "logs in a stream" along pseudohyphae	NSG	+	+	0	0	
<i>C. rugosa</i>	Pseudohyphae with elongated blastoconidia, some in chains	NSG	0	+	0	0	
<i>C. zeylanoides</i>	Pseudohyphae give feather-like appearance at low power	Pellicle (delayed)	+	0 <sup>v</sup>	0	0	
<i>C. glabrata</i>	No pseudohyphae; cells small; terminal budding	NSG	0	+	0	0	
<i>C. krusei</i>	Pseudohyphae with cross-matchsticks or tree-like blastoconidia	Wide surface film up sides of tube	0	+	0	+ <sup>v</sup>	
<i>C. lipolytica</i>	Elongated blastoconidia in short chains along pseudohyphae	Pellicle (delayed)	+	+	0	+	

<sup>a</sup> Abbreviations: SDA, Sabouraud dextrose agar; +, positive; 0, negative; W, reaction may be weak; V, strain variation; NSG, no surface growth.

<sup>b</sup> Fermentation is demonstrated by the production of gas (acid does not indicate fermentation).

	Assimilation of:													Fermentation of: <sup>b</sup>						
	Glucose	Maltose	Sucrose	Lactose	Galactose	Melibiose	Cellobiose	Inositol	Xylose	Raffinose	Trehalose	Dulcitol	KNO <sub>3</sub>	Glucose	Maltose	Sucrose	Lactose	Galactose	Trehalose	Cellobiose
<i>C. albicans</i>	+	+	V	0	+	0	0	0	+ <sup>v</sup>	0	+	0	0	+	+	0	0	V	V	0
<i>C. dubliniensis</i>																				
<i>C. tropicalis</i>	+	+	+ <sup>v</sup>	0	+	0	+ <sup>v</sup>	0	+	0	+	0	0	+	+	+ <sup>v</sup>	0	+ <sup>v</sup>	+ <sup>v</sup>	0
<i>C. parapsilosis</i>	+	+	+	0	+	0	0	0	+	0	+	0	0	+	0	0	0	V	0	0
<i>C. lusitanae</i>	+	+	+	0	+	0	+	0	+	0	+	0	0	+	0 <sup>v</sup>	V	0	+ <sup>v</sup>	V	+
<i>C. guilliermondii</i>	+	+	+	0	+	+	+	0	+	+	+	+	0	+	0	+ <sup>w</sup>	0	+ <sup>w</sup>	+ <sup>w</sup>	0
<i>C. kefyr</i> ( <i>C. pseudotropicalis</i> )	+	0	+	+ <sup>v</sup>	+	0	+ <sup>v</sup>	0	+ <sup>v</sup>	+	0	0	0	+	0	+	+ <sup>v</sup>	+	0	0
<i>C. rugosa</i>	+	0	0	0	+	0	0	0	V	0	0	0	0	0	0	0	0	0	0	0
<i>C. zeylanoides</i>	+	0	0	0	0 <sup>v</sup>	0	0 <sup>v</sup>	0	0	0	+	0	0	0 <sup>w</sup>	0	0	0	0	0	0 <sup>v</sup>
<i>C. glabrata</i>	+	0	0	0	0	0	0	0	0	0	+	0	0	+	0	0	0	0	+ <sup>v</sup>	0
<i>C. krusei</i>	+	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	0
<i>C. lipolytica</i>	+	0	0	0	V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0