

Laboratory News

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Yeast Susceptibility Testing to begin in Marshfield

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Microbiology and Molecular Pathology Laboratory will begin performing yeast susceptibility testing.

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Testing Changes

Effective May 28, 2025, the Microbiology and Molecular Pathology Laboratory will begin performing yeast susceptibility testing in-house. This testing will be performed automatically on *Candida* (and formerly named *Candida*) species from sterile sites and upon request from other sources. If testing for additional antifungals is clinically necessary, please contact the lab to arrange send-out testing.

Test Reporting

Yeast species and antifungals tested are shown in Table 1. Combinations marked with an X will be tested and resulted with interpretations of Susceptible, Intermediate, or Resistant. Please note that interpretative breakpoints are not available for Fluconazole testing for *C. dubliniensis*, *C. guilliermondii*, and *C. lusitaniae*. For these organisms, Epidemiological Cutoff Value (ECV) comments will be provided alongside the minimal inhibitory concentration (MIC) results, as appropriate. An ECV is the MIC that separates isolates with and without acquired resistance. Unlike interpretive breakpoints, ECVs do not predict therapeutic response but can assist in guiding therapeutic decision-making.

The ECV comments applied to the reports are as follows:

- This MIC is consistent with Epidemiological Cutoff Value (ECV) observed in isolates WITHOUT acquired resistance; however, correlation with treatment outcomes is unknown.
- This MIC is consistent with Epidemiological Cutoff Value (ECV) observed in isolates WITH acquired resistance; however, correlation with treatment outcomes is unknown.

Table 1

	Caspofungin	Fluconazole	Micafungin	Voriconazole
<i>C. albicans</i>	X	X	X	X
<i>C. dubliniensis</i>		ECV		
<i>N. glabratus</i> (formerly <i>C. glabrata</i>)			X	
<i>C. guilliermondii</i>	X	ECV	X	
<i>P. kudriavzevii</i> (formerly <i>C. krusei</i>)	X		X	X
<i>C. lusitaniae</i>		ECV		
<i>C. parapsilosis</i>	X	X	X	X
<i>C. tropicalis</i>	X	X	X	

Questions

For questions, please contact Dr. Taylor Wahlig or Dr. Sophie Arbefeville in the Microbiology laboratory at 715-221-6141.