

New Test: Antimicrobial Susceptibility Panel, Yeast



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Starting **4/25/2018** Laboratory will offer in vitro antifungal susceptibility (MIC) of *Candida* species.

Candida species can be one of the leading causes of nosocomial infections and are frequent causes of community-acquired infections.

Antifungal susceptibility testing may aid in the management of patients with invasive infections due to *Candida* species or patients who appear to be experiencing therapeutic failure.

The Clinical Laboratory Standards Institute has approved the use of a broth microdilution method for determining the susceptibility of *Candida* species.

This antifungal susceptibility will automatically be performed for appropriate yeast isolates from sterile sites, but can be requested from non-sterile sites with pathology review. This test is validated for *Candida albicans*, *Candida glabrata*, *Candida tropicalis*, *Candida parasilosis* and *Candida krusei*.

This test is not approved for other *Candida* species, *Cryptococcus*, or filamentous molds including dimorphic yeast or filamentous fungi.

INTERPRETATIVE INFORMATION:

MIC interpretations are based on recent publications and CLSI guidelines. Species-specific clinical breakpoints are provided as either susceptible (SS), intermediate (I), Susceptible dose Dependent (SDD), or resistant (R). When results are interpreted as susceptible dose-dependent to a specific antifungal agent, it is assumed that maximum blood levels can be achieved.

An additional charge is made for susceptibility testing.

REFERENCES:

1. Sensititre[®] Susceptibility (Technical insert) Cleveland,OH: Trek Diagnostic Systems, 2012.
2. CLSI *Reference method for broth dilution antifungal susceptibility testing of yeasts; fourth informational supplement*, CLSI document M27-S4. Wayne, PA: Clinical Laboratory Standards Institute; 2012.

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