

COLOREX™

## COLOREX™ Candida Plus



For detection and differentiation of major clinical *Candida species*, including *C. auris*



Microbiology in Color

# COLOREX™ Candida Plus

For detection and differentiation of major clinical *Candida* species, including *C. auris*

## BACKGROUND: Understanding candidiasis

Candida, a group of yeasts, plays a pivotal role in various infections collectively known as Candidiasis. These infections can impact damaged skin, the respiratory tract, and the digestive and urogenital systems. In severe cases, particularly in nosocomial infections or in immunocompromised patients, Candidiasis can lead to significant morbidity. While *C. albicans* remains a primary culprit, the use of antifungal agents has brought forth emerging species like *C. tropicalis*, *C. krusei*, and *C. glabrata*.

Notably, in 2016, the World Health Organization (WHO) highlighted *C. auris*, exhibiting a prevalence of over 90% resistance to fluconazole, with some strains being multidrug resistant to amphotericin B, voriconazole, and/or echinocandins. It is recommended to carry out an early diagnosis of Candida to provide specific treatment as quickly as possible. Candida can be isolated by swabbing the skin, throat, rectum, or urogenital tract.

COLOREX™ Candida Plus is the first chromogenic isolation medium to detect and differentiate *C. auris* in addition to other major clinical Candida species, such as *C. albicans*, *C. tropicalis*, *C. glabrata* or *C. krusei*.

## MEDIUM PERFORMANCE: Unparalleled specificity

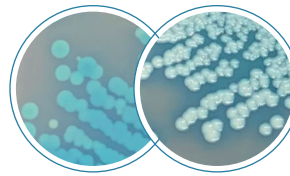
- **DIFFERENTIATION OF COMMON CANDIDA SPECIES:** Achieve precise identification with exceptional specificity:
  - C. albicans* ≈ 100%
  - C. tropicalis* ≈ 100%
  - C. krusei* ≈ 100%
- **UNIQUE DIFFERENTIATION FOR *C. AURIS* FROM OTHER CANDIDA SPECIES:** COLOREX™ Candida Plus stands out as the first medium to effectively differentiate *C. auris* from other Candida species. With a specificity of ≈ 100% and sensitivity of ≈ 100%\*, it serves not only as a diagnostic tool, but also as a screening tool during outbreaks.
- **EASY IDENTIFICATION:** Streamline your workflow with COLOREX™ Candida Plus. Identification through MALDI-TOF can be directly performed from a colony, eliminating the need for subculture steps. This ease of identification ensures a rapid and efficient diagnostic process.

\* Specificity and Sensitivity from scientific study: «Evaluation of a novel chromogenic medium for Candida spp. identification and comparison with CHROMagar™ Candida for the detection of Candida auris in surveillance samples» Juan V. Mulet et al., 2020.

## POWDER MEDIUM DESCRIPTION

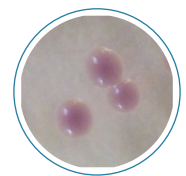
<b>Powder Base</b>	Total.....	50.9 g/L
	Agar.....	15.0
	Peptones .....	11.0
	Chromogenic and selective mix .....	24.9
Storage at 15/30 °C - pH: 6.1 ± 0.2.		
<b>Shelf Life.....</b>		<b>&gt; 12 months</b>
<b>Common Samples</b>	Skin, throat, armpits, urogenital tract and rectal swab.	
<b>Procedure</b>	Direct Streaking. Incubation 36-48 h, 30-37 °C. Aerobic conditions.	

## PLATE READING



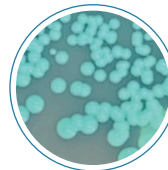
***C. auris***

Light blue with blue halo Blue from the back side



***C. glabrata***

Mauve



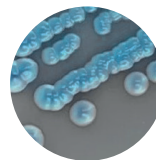
***C. albicans***

Green-blue



***C. krusei***

Pink and fuzzy



***C. tropicalis***

Metallic blue with pink halo