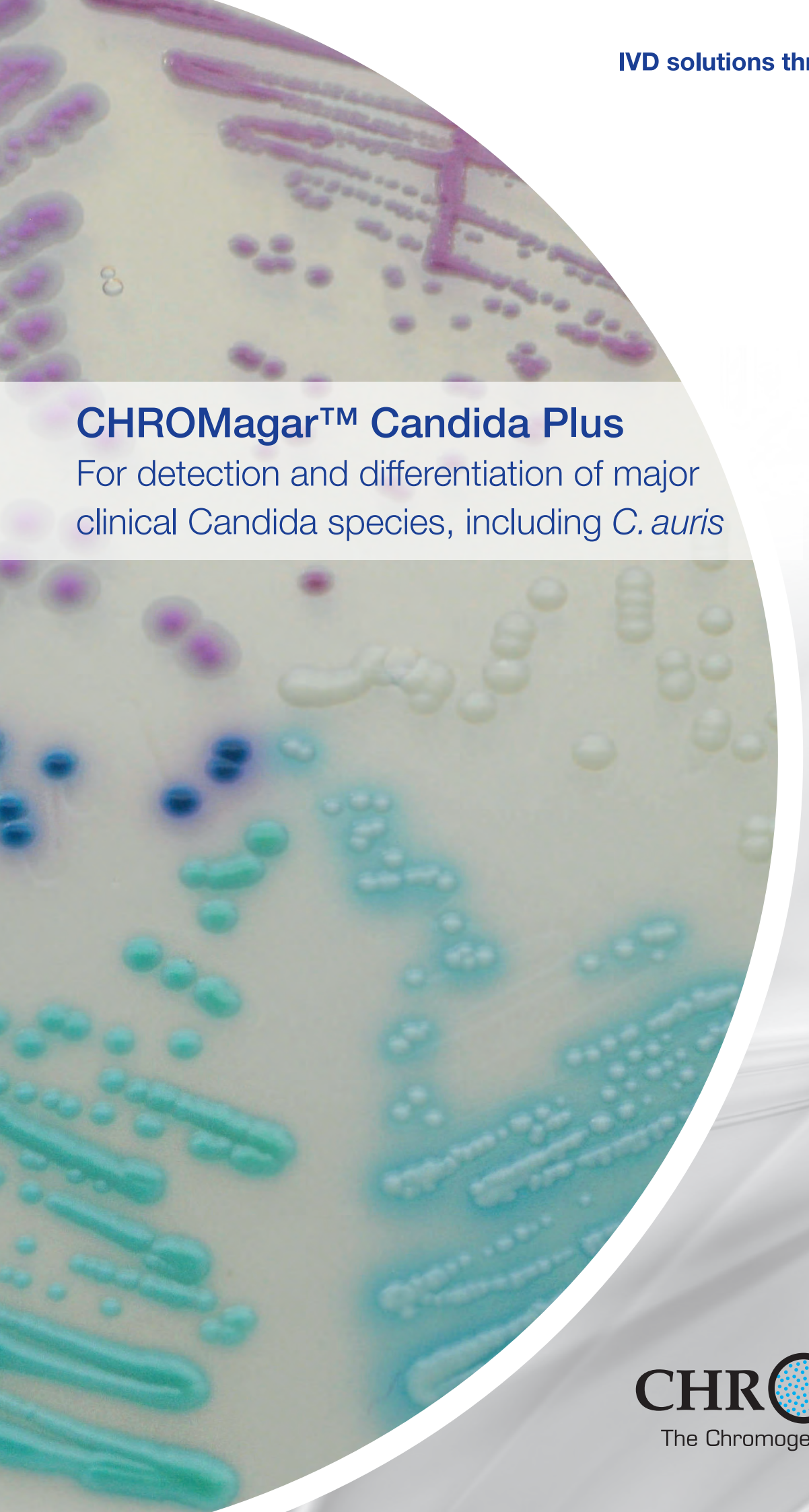
IVD solutions through partnership

Mast Group



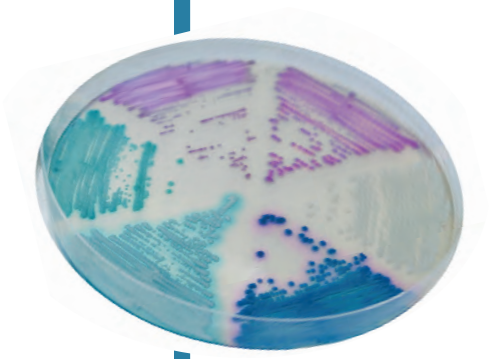
CHROMagar™ Candida Plus

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

CHROMagar

The Chromogenic Media Pioneer

CHROMagar™ Candida Plus



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

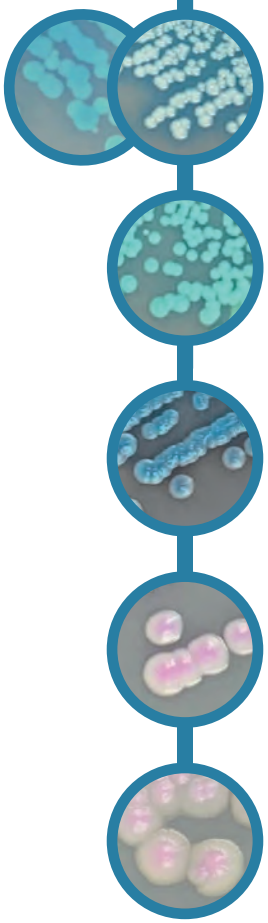
Background

The Candida are yeasts involved in various infections called Candidiasis, which can affect damaged skin, respiratory tract, digestive and urogenital systems. These Candidiasis can be severe with significant morbidity for nosocomial infections or in immunocompromised patients. Although *C. albicans* is still the main species involved, the use of antifungal agents has given rise to other species such as *C. tropicalis*, *C. krusei* and *C. glabrata*.

In 2016, The World Health Organization added to this list *C. auris*, with a prevalence of over 90 % resistant to fluconazole. In addition, some strains are multidrug resistant to amphotericin B, voriconazole, and/or echinocandins.

It is recommended to carry out an early diagnosis of Candida in order to provide specific treatment as quickly as possible. Candida can be isolated by swabbing the skin, throat, rectum, or urogenital tract.

CHROMagar™ 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*.



Pate Reading

- *C. auris*
  → Light blue with blue halo
  Blue from the back side
- *C. albicans*
  → Green-blue
- *C. tropicalis*
  → Metallic blue with pink halo
- *C. glabrata*
  → Mauve
- *C. krusei*
  → Mauve and fuzzy

IVD CE

Medium Performance

1. **High specificity:**
   Differentiation of the most common Candida species with very high specificity:
   C. albicans ≈ 100 % *
   C. tropicalis ≈ 100 % *
   C. krusei ≈ 100 % *

2. **Unique medium to differentiate *C. auris* from other candida species.**
   Owe to its high specificity, it can be used also as a screening tool in case of outbreaks.
   For *C. auris*: Specificity ≈ 100 % * / Sensitivity ≈ 100 % *

* 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.

3. **Easy identification:**
   Identification by MALDI-TOF can be carried directly from a colony. No need of subculture.

Medium Description

Powder Base	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 Shelf Life .....12 months

Usual Samples	Skin, throat, armpits, urogenital tract and rectal swab.
Procedure	Direct Streaking. Incubation 36-48h at 30-37 °C Aerobic conditions.
Scientific Publications on this product: available on www.CHROMagar.com Please read carefully the instructions for use (IFU document) available on www.CHROMagar.com	

Version 1.0 / Sept.-20 (Mast)
LF-EXT-073

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Ordering Information

Product	Order Code
CHROMagar™ Candida Plus dry media, 5 liter	15CA242
CHROMagar™ Candida Plus ready to use plates, 20 pcs.	201406