CHROMagar™ Candida

A Petri Dish containing chromogenic medium for the isolation and identification of major *Candida* species

For in vitro diagnostic use

Cat. No. PD 125
90 mm Prepared plates
Pkg.: 20 units in a box (2X10)
Expiry Date: Printed on label and on the item

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Storage

Store at 2-8^0 C. Protected from light.
Plates can be stored for one day at room temperature, protected from light.

Composition (g/L)

Peptone 10.2; Chromogenic mix 22.0; Agar 15.0; Chloramphenicol 0.5.
(Classical formula adjusted and/or supplemented as required to meet performance criteria). pH: 6.1± 0.2.

Intended Use

CHROMagar Candida utilizes a selective and differential medium developed by CHROMagar, Paris, designed for the detection and differentiation of major pathogenic *Candida* species from clinical specimens. The medium is also recommended for the differentiation of *Candida* species in mixed yeast cultures from Cosmetics samples.
C. albicans, C. tropicalis and *C. krusei* can be recognized at a glance by the color of the colonies, eliminating the need for further testing.
Due to the differences in morphology and colors, this medium offers a panoramic view on a mixed culture. This allows the determination of the presence of a minor population in a patient. It may be also be used as a selective isolation medium for other yeasts and for filamentous fungi.

Principle

The medium formula includes selected peptones which supply the nutrients. A mixture of chromogenic substrates release differently colored compounds when hydrolyzed by specific enzymes from certain species, leading to their clear identification. Other groups of organisms are easily detected and may be differentiated with a minimum of confirmatory tests. The addition of Chloramphenicol inhibits most bacterial contaminants.

Procedure

Collection: Use standard specimens collection procedures.
Inoculation: If the agar have been refrigerated, allow to return to room temperature before inoculation. Streak sample onto plate and incubate aerobically at 35 ± 2^0 C for 36-48 hours in an inverted position (agar-side up). Do not incubate in an atmosphere supplemented with carbon dioxide. Occasional isolates, such as *Cryptococcus neoformans* and filamentous fungi, will require a longer incubation and possible a lower incubation temperature. For Cosmetics testing follow standard recommended procedures.

Interpretation of Results

Microorganism	**Typical colony appearence**
C. albicans	Green, turquoise
C. tropicalis	Blue headed, purple colored viewed from underside
C. krusei	Light rose with a whitish irregular border
Other species	Colorless to mauve

Procedure Limitations

- Minimize exposure of CHROMagar Candida to light before and during incubation in order to avoid destroying the chromogens.
  Store plates in the original pack.
- *C. dubliensis* produces distinctive dark green colored colonies, different from those of *C. albicans*, on primary isolation on CHROMagar Candida plates. However, this property may not be retained in subculture.
- Since molds and other filamentous molds metabolize the chromogenic substrates, the colors of these organisms growing on CHROMagar Candida plates may differ from those exhibited on Sabourad Dextrose Agar (SDA). Do not use the appeareance of growth on this medium for traditional descriptive identification from SDA.

Disposal

Used contaminated test material should be handled by standard decontamination methods such as autoclaving or incineration.

Authorized EU representative:
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