

CHROMATIC CANDIDA

Chromogenic selective medium for isolation and differentiation of *C. albicans*, *C. tropicalis* e *C. krusei*.

TYPICAL FORMULA (g/L)

Peptone	10.0
Chloramphenicol	0.5
Chromogenic mix	22.2
Agar	15.0
Final pH 6.1 ± 0.2	

DESCRIPTION

Chromogenic selective medium for isolation and differentiation of *C. albicans*, *C. tropicalis* e *C. krusei*.

PRINCIPLE

Peptone is a source of amino acids and vitamins. The chromogenic mix allows the differentiation of *Candida albicans*, *Candida tropicalis* and *Candida krusei* on the basis of the color and morphology of the colonies, while selectivity is due to the presence of chloramphenicol which is a wide spectrum antibiotic.

PREPARATION

Suspend 48 g of powder in 1 L of sterile distilled or deionized water. Heat to boiling until completely dissolved. DO NOT AUTOCLAVE. Dispense in petri dishes.

TECHNIQUE

Inoculate the plates by streaking the sample to examine onto the surface of the medium, using a sterile loop.
Incubate at: 35+/-2°C for 36-48 hours. Observe the growth and color of the colonies.

INTERPRETATION OF RESULTS

Interpret results as indicated in table n°1.

Table n°1

Microorganisms	Growth	Typical appearance of the colonies
<i>Candida albicans</i>	Good	Pale green
<i>Candida tropicalis</i>	Good	Green-blue
<i>Candida krusei</i>	Good	Pink
<i>Altre specie</i>	Good	White-pink
<i>Staphylococcus aureus</i>	Inhibited	
<i>Escherichia coli</i>	Inhibited	

Final identification must be performed by biochemical and/or serological tests.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed until the expiry date on the label or until signs of deterioration or contamination are evident.

Store prepared media at 2-8 °C.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%.

The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

- Odds, F.C. And Bernaerts. 1994. CHROMagar Candida, a new differential medium for presumptive identification of clinically important *Candida* species. J. Clin. Microbiol. 32: 1923-1929.
- Pfaller, Huston and Coffman. 1996. J. Clin. Microbiol. 32: 1923-1929.



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PRODUCT SPECIFICATIONS

NAME
CHROMATIC CANDIDA

PRESENTATION
Dehydrated culture medium

STORAGE
10-30°C

PACKAGING

Code	Content	Packaging
610613	500 g	500 g of powder in plastic bottle
620613	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM
6.1 ± 0.2

USE
Chromogenic selective medium for isolation and differentiation of *C. albicans*, *C. tropicalis* e *C. krusei*.

TECHNIQUE
Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM
Dehydrated medium
 Appearance: free-flowing, homogeneous.
 Colour: beige
Prepared medium
 Appearance: clear
 Colour: beige

SHELF LIFE
2 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Inoculum for selectivity: 10⁴-10⁵ UFC/ml
Inoculum for specificity: ≤ 10⁴ UFC/ml
Incubation conditions: 18-24 hours at 36 ± 1 °C

Microorganisms		Growth
<i>Candida albicans</i>	ATCC 10231	Good
<i>Candida tropicalis</i>	ATCC 66029	Good
<i>Candida krusei</i>	ATCC 14243	Good
<i>Staphylococcus aureus</i>	ATCC 25923	Inhibited
<i>Escherichia coli</i>	ATCC 19433	Inhibited

TABLE OF SYMBOLS

LOT	Batch code	Temperature limitation	Manufacturer	Contains sufficient for <n> tests
REF	Catalogue number	Keep away from heat	Use by	Caution, consult accompanying documents



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