

PRODUCT INFORMATION

Product Type: Divided Petri Dishes 90mm (DD)

Cat No. DD038 - CHROMAGAR CANDIDA / SDA + CHL

Intended Use:

CHROMagar™ Candida is a selective chromogenic culture medium intended for use in the qualitative direct detection, differentiation and presumptive identification of *Candida* species.

Sabouraud Dextrose Agar with chloramphenicol is a selective culture medium designed for the isolation and cultivation of yeasts and molds, especially from samples that may be contaminated with bacteria. The addition of chloramphenicol, a broad-spectrum antibiotic, inhibits the growth of most bacteria, allowing for the selective recovery of fungi.

Principle and Uses:

CHROMagar™ Candida The test is performed with swabs from skin, throat, ears and vaginal specimens as well as sputum, urine and stools samples, in parallel to cultures on Sabouraud agar, to aid in the Candidiasis diagnosis. Results can be interpreted after 20-48 h of aerobic incubation at 35-37 °C.

Further microbiological testing or epidemiological typing are needed.

A lack of growth or the absence of colonies on CHROMagar™ Candida does not preclude the presence of *Candida*.

CHROMagar™ Candida is not intended to diagnose infection nor to guide nor monitor treatment for infections.

With traditional media such as Sabouraud agar, identification of mixed cultures is difficult, whereas CHROMagar™ Candida, just by the colour of the colony, will instantly differentiate various *Candida* species and help locating their colonies in mixed cultures.

Interpretation:

Microorganism Typical colony appearance

- C. albicans* → green
- C. tropicalis* → metallic blue
- C. krusei* → pink, fuzzy
- C. kefyr*, *C. glabrata* → mauve-brown
- Other species → white to mauve

Sabouraud Dextrose Agar with chloramphenicol

- Selective isolation and cultivation of fungi: Used for clinical, food, cosmetic, and environmental samples to recover yeasts and molds, even in the presence of bacterial contamination.
- Suppresses bacterial growth: The high dextrose concentration and acidic pH already inhibit most bacteria; chloramphenicol further increases selectivity.

Composition

CHROMagar™ Candida

Agar - 15.0 g/L

Peptone - 10.2 g/L

Chromogenic mix - 22.0 g/L

Chloramphenicol - 0.5 g/L

Sabouraud Dextrose Agar with chloramphenicol

Peptic Digest of Animal Tissue - 5 g/L

Pancreatic Digest of Casein - 5 g/L

Dextrose - 40 g/L

Agar - 15 g/L

Chloramphenicol - 0.3 g/L

Storage: 2-8°C

Appearance:

CHROMagar™ Candida: light amber

Sabouraud Dextrose Agar with chloramphenicol: Clear, yellowish to straw-colored

pH Range:

CHROMagar™ Candida: 5.9 - 6.3

Sabouraud Dextrose Agar with chloramphenicol: 5.4 - 5.8

Package contents: 10 plates in a package

Exp. Date: Printed on label and on the item.

Required materials not supplied: Laboratory equipment as required.

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Petri dishes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

If excessive moisture is observed, invert the bottom over an off-set lid and allow to air dry in order to prevent formation of a seal between the top and bottom of the plate during incubation.

Storage Instructions: On receipt, store plates in the dark at 2–8 °C. Avoid freezing and overheating. Do not open until ready to use.

Waste Disposal

After interpretation all items should be destroyed by standard incineration methods.

Performance Testing Results:**GPT:** inoculum 10-100 cfu.**Inhibitory properties:** inoculum 10000 cfu.

TEST	ATCC	Incubation Temp. (°C)	Incubation Cond.	Reaction 1 CHROMagar [™] Candida		Reaction 2 SDA+CHL.	
<i>Trichophyton rubrum</i> MYA	4438	20-25 °C	Aerobic, up to 7 days	/		Growth	From fresh colony
<i>Aspergillus brasiliensis</i>	16404	33-37 °C	Aerobic, 48 hours	/		Growth	With black spores
<i>Escherichia coli</i>	25922	33-37 °C	Aerobic, 48 hours	Inhibited		Inhibited	
<i>Staphylococcus aureus</i>	25923	33-37 °C	Aerobic, 48 hours	Inhibited		Inhibited	
<i>Candida albicans</i>	10231	33-37 °C	Aerobic, 48 hours	Growth	Green turquoise	Growth	
<i>Candida tropicalis</i>	750	33-37 °C	Aerobic, 48 hours	Growth	Blue headed, viewed from underside	Growth	
<i>Candida krusei</i>	6258	33-37 °C	Aerobic, 48 hours	Growth	Light rose with a whitish irregular border.	Growth	