



CANDIDA BCG AGAR BASE

TM 057

INTENDED USE

For primary isolation and identification of Candida species

COMPOSITION

Ingredients	Gms/Ltr.
Dextrose	40.000
Agar	15.000
Peptic digest of animal tissue	10.000
Yeast extract	1.000
Bromocresol green	0.020

PRODUCT SUMMARY AND EXPLANATION

Candida BCG Agar Base is used to obtain pure yeast colonies from mixed cultures on the basis of colony morphology.

PRINCIPLE

Peptic digest of animal tissue along with yeast extract and dextrose serve as sources of essential nutrients, amino acids and vitamins. Dextrose also serves as a source of energy by being the fermentable carbohydrate. Bromocresol green is non-toxic indicator incorporated to visualize the fermentation reaction.

INSTRUCTION FOR USE

1. Dissolve 66.02 grams in 1000 ml distilled water.
2. Gently heat to boiling to dissolve the medium completely.
3. Sterilize by autoclaving at 15 psi (121°C) for 15 minutes.
4. Cool to 45-50°C and add sterile neomycin to a concentration of 500 µg/ml of medium.
5. Mix well before pouring into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Cream to light green homogeneous free flowing powder

Appearance of prepared medium: Bluish green coloured, clear to slightly opalescent gel

pH (at 25°C): 6.1 ± 0.2

INTERPRETATION:

Cultural characteristics observed with added sterile Neomycin (500 mcg/ml of medium) after an incubation at 25-30°C for 24-48 hours.



Microorganisms	ATCC	Inoculum (CFU)	Growth	Standard Recovery	Color of medium
Candida albicans	10231	50-100	Good-Luxuriant	≥ 50%	Yellow
Candida glabrata	15126	50-100	Good-Luxuriant	≥ 50%	Yellow
Candida krusei	24408	50-100	Good-Luxuriant	≥ 50%	Yellow
Candida tropicalis	1369	50-100	Good-Luxuriant	≥ 50%	Yellow
Escherichia coli	25922	≥ 1000	Inhibited	0 %	---
Staphylococcus aureus	25923	≥ 1000	Inhibited	0 %	---

STORAGE & STABILITY

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°C and protect from direct Sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

REFERENCES

1. Haley L. D., and Callaway C. S., 1978, Laboratory Methods in Medical Mycology, 4th Ed., U.S. Government Printing Office, Washington, D.C.
2. Haley L. D., Trandel J., Coyle M. B. and Sherris J. C., 1980, Practical Methods for Culture and Identification of Fungi in the Clinical Microbiology Laboratory, CUMITECH II, Washington D.C.: American Society For Microbiology



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.