

CM 21533 - SABOURAUD CHLORAMPHENICOL AGAR

INTENDED USE

For selective isolation and cultivation of yeasts and molds.

PRODUCT SUMMARY AND EXPLANATION

Sabouraud Chloramphenicol Agar is cited as Medium C and recommended for cultivation of yeasts and moulds. This medium was described originally by Sabouraud for the cultivation of fungi, particularly useful for the fungi associated with skin infections. The medium is often used with antibiotics such as Chloramphenicol for the isolation of pathogenic fungi from materials containing large numbers of fungi or bacteria.

COMPOSITION

Ingredients	Gms / Ltr
Tryptone	5.000
Peptone	5.000
Dextrose (Glucose)	40.000
Chloramphenicol	0.050
Agar	15.000

PRINCIPLE

Tryptone and peptone provide nitrogenous and carbonaceous compounds, long chain amino acids, and other essential growth nutrients. Dextrose provides an energy source. Chloramphenicol inhibits a wide range of Gram-positive and Gram-negative bacteria which makes the medium selective for fungi. The low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens.

INSTRUCTION FOR USE

- Dissolve 65.05 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C. Mix well and pour into sterile Petri plates.

Caution: Some pathogenic fungi may produce infective spores which are easily dispersed in air, so examination should be carried out in safety cabinet.

QUALITY CONTROL SPECIFICATIONS

- Appearance of Powder : Cream to yellow homogeneous free flowing powder.
- Appearance of prepared medium : Light amber coloured clear to slightly opalescent gel forms in Petri plates.
- pH (at 25°C) : 5.6±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Aspergillus brasiliensis	16404	10-100	Good-luxuriant	$\geq 50\%$	20-25°C	48-72 Hours
Candida albicans	10231	10-100	Good-luxuriant	$\geq 50\%$	20-25°C	48-72 Hours
Escherichia coli	25922	$\geq 10^3$	Inhibited	0%	20-25°C	48-72 Hours
Lactobacillus casei	334	$\geq 10^3$	Inhibited	0%	20-25°C	48-72 Hours
Saccharomyces cerevisiae	9763	10-100	Good-luxuriant	$\geq 50\%$	20-25°C	48-72 Hours
Trichophyton rubrum	28191	10-100	Good-luxuriant	$\geq 50\%$	20-25°C	7 Days
Escherichia coli	9002	$\geq 10^3$	Inhibited	0%	20-25°C	48-72 Hours
Escherichia coli	8739	$\geq 10^3$	Inhibited	0%	20-25°C	48-72 Hours

PACKAGING:

In pack size of 100 gm and 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°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.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

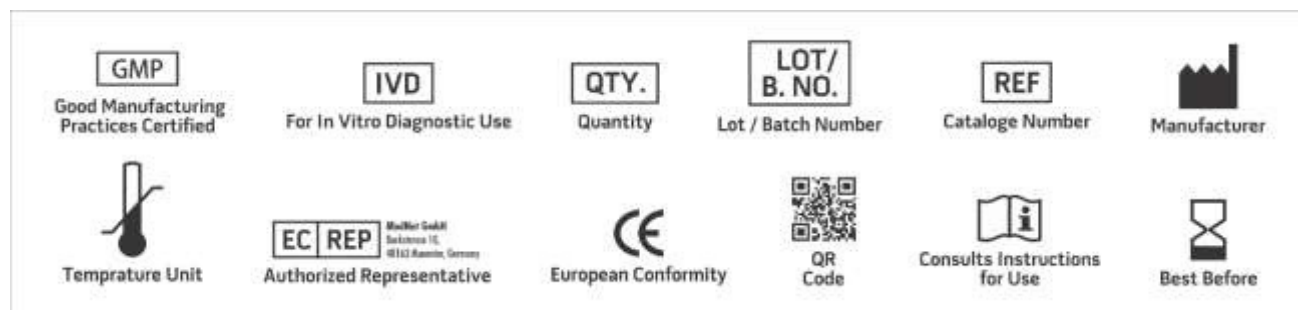
DISPOSAL



After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

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5. Lorian (Ed.), 1980, Antibiotics In Laboratory Medicine, Williams and Wilkins, Baltimore.
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9. Foods, American Public Health Association, Washington, D.C.
10. Wehr H. M. and Frank J. H., 2004, Standard Methods for the Microbiological Examination of Dairy Products, 17th Ed., APHA Inc., Washington, D.C.



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

*For LabUse Only