

TM 1950 – AGAR MEDIUM C (SABOURAUD-GLUCOSE AGAR WITH CHLORAMPHENICOL) (as per EP/BP)

INTENDED USE

For selective cultivation of yeasts and moulds.

PRODUCT SUMMARY AND EXPLANATION

Sabouraud Glucose Agar w/Chloramphenicol is cited as Medium C and recommended for cultivation of yeasts and moulds by European Pharmacopoeia. 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. Some pathogenic fungi may produce infective spores which are easily dispersed in air, so examination should be carried out in safety cabinet.

COMPOSITION

Ingredients	Gms / Ltr
Peptones (meat and casein)	10.000
Glucose monohydrate	40.000
Chloramphenicol	0.050
Agar	15.000

PRINCIPLE

Peptones (from meat and casein) provide nitrogenous compounds. Glucose monohydrate 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 favours fungal growth and inhibits contaminating bacteria from clinical specimens.

INSTRUCTION FOR USE

- Dissolve 61.41 grams (the equivalent weight of dehydrated medium per litre) in 1000 ml purified/distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes or as per validated cycle.
- Mix well before pouring into sterile Petri plates.

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 incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period

<i>Candida albicans</i>	10231	50 -100	Luxuriant (white colonies)	>=70 %	20 -25 °C	<=5 Days
<i>Aspergillus brasiliensis</i>	16404	50 -100	Luxuriant	>=70%	20 -25 °C	<=5 Days
<i>Candida albicans</i>	2091	50 -100	Luxuriant	>=70 %	20 -25 °C	<=5 Days
<i>Saccharomyces cerevisiae</i>	9763	50 -100	Luxuriant	>=70 %	20 -25 °C	<=5 Days
<i>Escherichia coli</i>	25922	>=10 ³	Inhibited	0%	20 -25 °C	<=5 Days
<i>Escherichia coli</i>	8739	>=10 ³	Inhibited	0%	20 -25 °C	<=5 Days
<i>Trichophyton rubrum</i>	28191	50-100	Good	40-50%	20 -25 °C	<=5 Days
<i>Lactobacillus casei</i>	334	>=10 ³	Inhibited	0%	20 -25 °C	<=5 Days

PACKAGING:

In pack size of 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

1. European Pharmacopoeia, 2008, European Department for the Quality of Medicines.
2. Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061.
3. Ajello L., 1957, J. Chron. Dis., 5:545.
4. Lorian (Ed.),1980, Antibiotics In Laboratory Medicine, Williams and Wilkins, Baltimore.
5. Murray, P. R 2008, In Manual of Clinical Microbiology, 7th ed., ASM, Washington, D.C.



 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedNet GmbH Buckstrasse 10 48163 Muenster, Germany</small>	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

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

***For Lab Use Only**
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