

CM 21542 – SABOURAUD DEXTROSE BROTH

INTENDED USE

For cultivation of yeasts, molds and aciduric microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Sabouraud Dextrose Agar is Carliers modifications of the formulation described by Sabouraud for the cultivation of fungi, particularly those associated with skin infections. The medium is also recommended by APHA. Sabouraud Dextrose Broth is also a modification by Sabouraud and serves the same purpose as Sabouraud Dextrose Agar Medium 3.

COMPOSITION

Ingredients	Gms / Ltr
Dextrose	20.000
Peptone, special	10.000

PRINCIPLE

Sabouraud dextrose media are peptone media supplemented with dextrose to support the growth of fungi. Peptone special provides carbon and nitrogen source, vitamins, minerals, amino acids and growth factors. Dextrose provides an energy source for the growth of microorganisms. The low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens. The acid reaction of the final medium is inhibitory to a large number of bacteria making it particularly useful for cultivating fungi and aciduric microorganisms. For isolation of fungi from contaminated specimens, a selective medium should be inoculated simultaneously. Incubate cultures for 4 to 6 weeks before reporting as negative.

INSTRUCTION FOR USE

- Dissolve 30.0 grams in 1000 ml purified/ distilled water.
- Heat if necessary to dissolve the medium completely.
- Mix well and dispense in tubes or flasks as desired.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

- Appearance of Powder : Cream to yellow, homogeneous free flowing powder
- Appearance of prepared medium : Light amber colored clear solution in tubes.
- pH (at 25°C) : 5.6 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Candida albicans	10231	10-100	Luxuriant	20-25°C	3-5 days



Candida albicans	2091	10-100	Luxuriant	20-25°C	3-5 days
Aspergillus brasiliensis	16404	10-100	Luxuriant	20-25°C	3-5 days
Saccharomyces cerevisiae	9763	10-100	Luxuriant	20-25°C	3-5 days
Escherichia coli	8739	50-100	Luxuriant (inhibited on media with low pH)	20-25°C	3-5 days

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

1. F.R. Edward, M.A. Fife, Lysine iron agar in the detection of Arizona cultures, Appl. Microbiol., 9, 478 (1961) .
2. Moeller V., 1954, Acta Pathol. Microbiol. Scand., 355:25.
3. W.H. Ewing, B.R. Davis, F.R. Edward, The decarboxylase reactions of Enterobacteriaceae and their value in taxonomy, Pub. Hlth. Labs., 18, 77 (1960)
4. S. Henner, W. Kleih, M. Schneiderhan, H. Burow, H. Friess, C. Grandjean, Reihenuntersuchungen an Rind- und Schweinefleisch auf Salmonellen, Fleischwirtsch., 62, 322 (1982).

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	 Manufacturer
 Temperature Unit	 Authorized Representative MedNet GmbH Birkstrasse 10, 48153 Münster, Germany	 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

