CM 22364 – SABOURAUD DEXTROSE AGAR (SDA) PLATE

INTENDED USE
For cultivation of yeast, moulds and aciduric microorganisms.

PRODUCT SUMMARY AND EXPLANATION
Sabouraud Dextrose Agar is Carlier's modificationof the formulation described by is a modification of Sabouraud Dextrose Agar which is described by Sabouraud for thecultivation of fungi (yeasts, moulds), particularly useful for the fungi associated with skin infections. This medium isalso employed to determine microbial contamination in food, cosmetics, and clinical specimens.

COMPOSITION

Ingredients	Gms / Ltr
Agar	15.000
Dextrose (Sucrose)	40.000
Mycological, peptone	10.000

PRINCIPLE
MycologicalPeptone providesnitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pHfavorsfungal growth and inhibits contaminating bacteria from test samples.

INSTRUCTION FOR USE
Eitherstreak,inoculateorsurface spread the test inoculum aseptically on the plate.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Light amber colored medium clear to slightly opalescent gel.
Quantity of medium	:	25ml of medium in 90mm plates.
pH (at 25°C)	:	5.6± 0.2
Sterility Check	:	Passes release criteria

INTERPRETATION
Culturalresponsewas observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Candida albicans	10231	50-100	Luxuriant (White colonies)	>=70%	20-25°C	3-5 days
Aspergillus brasiliensis	16404	10-100	Luxuriant	>=70%	20-25°C	4-5 days
Candida albicans	2091	50-100	Luxuriant	>=70%	20-25°C	4-5 days
Saccharomyces cerevisiae	9763	50-100	Luxuriant	>=70%	20-25°C	4-5 days
Escherichia coli	25922	50-100	Luxuriant	>=70%	20-25°C	4-5 days
Escherichia coli	8739	50-100	Luxuriant	>=70%	20-25°C	4-5 days
Lactobacillus casei	334	50-100	Luxuriant	>=70%	20-25°C	4-5 days

PACKAGING:

Doubledlayered packing containing 5 No. of plates with one silica gel desiccant bag packed inside it.

STORAGE

On receipt,store the plates at 15–30 °C. Avoid freezing and overheating. Do not open until ready to use. Prepared plates stored in their original sleeve wrapping until just prior to use may be inoculated up to the expiration date and incubated for recommended incubation times. Allow the medium to warm to room temperature before inoculation.

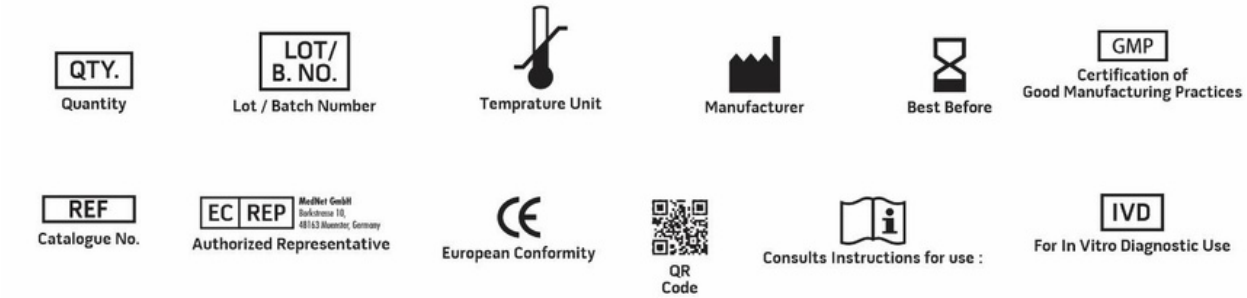
Product Deterioration: Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

DISPOSAL

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

REFERENCES

1. Bacteriological Analytical Manual, 8th Edition, Revision A, 1998. AOAC, Washington D.C
2. Carlier G. I. M., 1948, Brit. J. Derm. Syph., 60:61.
3. Murray PR, Baren EJ, Jorgensen JH, Pfaller MA, Yolken RH (editors) 2003, Manual of clinical Microbiology, 8th ed.,ASM, Washington, D.C.
4. Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061



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

***For LabUse Only**