

CM 22357 – SABOURAUD DEXTROSE AGAR (SDA) PLATE (γ- IRRADIATED) (TRIPLE PACK)

INTENDED USE

For the sub culture of *Candida albicans* in accordance with harmonized method of USP/EP/BP/JP/IP.

PRODUCT SUMMARY AND EXPLANATION

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

The media are gamma irradiated in the packaging material to assure a reduction of the microbial load potentially present in the medium, on the dishes, and on the packaging materials.

COMPOSITION

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

PRINCIPLE

Mycological Peptone provides nitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pH favors fungal growth and inhibits contaminating bacteria from test samples.

INSTRUCTION FOR USE

Either streak, inoculate or surface spread the test inoculum aseptically on the plate.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Light amber colored medium
Quantity of medium	:	15-18 ml of medium in 55mm plates.
pH (at 25°C)	:	5.6± 0.2
Dose of irradiation	:	15.0-25.0 kGy
Sterility Check	:	Passes release criteria

INTERPRETATION

Cultural response was observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Appearance of colony	Zone Diameter/ Recovery	Incubation Temp.	Incubation Period
<i>Aspergillus brasiliensis</i>	16404	10-100	Luxuriant	White mycelium, black spores	≥ 70%	20-25°C	≤ 5 Days
<i>Trichoderma viride</i>	52440	Point Inoculation	Luxuriant	Cottony bluish-green	Good zone diameter	20-25°C	5 Days



<i>Trichophyton mentagrophytes</i>	9533	Point Inoculation	Luxuriant	White to cream colour, downy to fluffy	Good zone diameter	20-25°C	≤ 5 Days
<i>Candida albicans</i>	10231	50-100	Luxuriant	Whitish convex, entire dimorphic	≥ 70%	30-35°C	18-48 hours
<i>Candida albicans</i>	10231	50-100	Luxuriant	Whitish convex, entire dimorphic	≥ 70%	20-25°C	≤ 3 days
<i>Candida krusei</i>	6258	50-100	Luxuriant	Greyish white, flat, circular, dimorphic	≥ 70%	30-35°C	18-48 hours
<i>Saccharomyces cerevisiae</i>	9763	50-100	Luxuriant	White to cream, flat, smooth, moist, glistening or dull, glabrous	≥ 70%	30-35°C	18-48 hours
<i>Penicillium corylophilum</i>	20203	Point Inoculation	Luxuriant	Greyish green	Good zone diameter	20-25°C.	5 Days

PACKAGING:

Triplelayered packing containing 5 number 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.

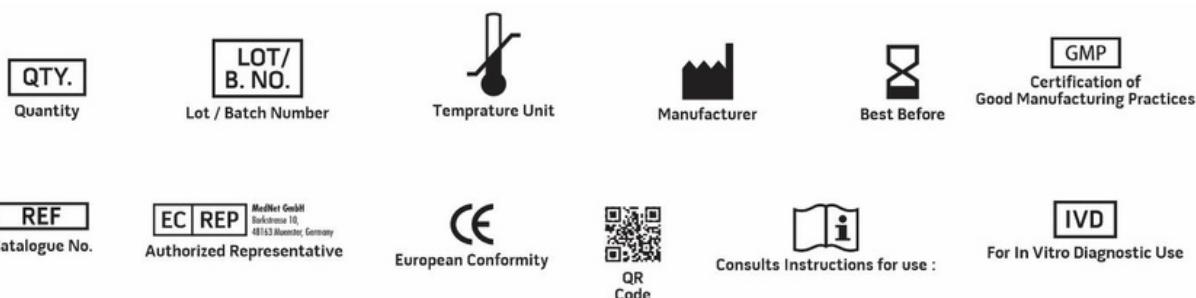
Product Deterioration: Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

DISPOSAL

After use, 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, Baron EJ, Tenover JC, Tenover FC (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**

