

## **CM 22394 - SOYABEAN CASEIN DIGEST AGAR PLATE W/ 1% GLYCEROL, 0.5% LECITHIN & 2% Polysorbate 80 (g - irradiated) (Triple Pack)**

### INTENDED USE

For determining the efficiency of sanitization of containers, equipment surfaces etc and for enumeration of organisms from water insoluble & fatty products containing antimicrobial or preservatives.

### PRODUCT SUMMARY AND EXPLANATION

SOYABEAN CASEIN DIGEST AGAR PLATE W/ 1% GLYCEROL, 0.5% LECITHIN & 2% Polysorbate 80 (g - irradiated) (Triple Pack) is used for the detection and enumeration of microorganisms for products of sanitary importance, water miscible cosmetics, and products containing antimicrobials or preservatives.

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
Tryptone	15.000
Soya peptone	5.000
Sodium chloride	5.000
Lecithin	5.000
Polysorbate 80 (Tween 80)	20.000
Glycerol	10.000
Agar	15.000

### PRINCIPLE

Tryptone and Soya peptone provide nitrogenous and carbonaceous compounds, long chain amino acids, vitamins and other nutrients essential for microbial replication. Lecithin to inactivate residual disinfectants from where the sample is collected. Lecithin neutralizes quaternary ammonium compounds. Polysorbate 80 neutralizes phenolic disinfectants, hexachlorophene, formalin and with lecithin ethanol. Glycerol helps in retention of moisture and serves as carbon source.

### INSTRUCTION FOR USE

Either streak, inoculate or surface spread the test inoculum aseptically on the plate. Alternatively, these plates can also be used as settle plates for environmental monitoring.

### QUALITY CONTROL SPECIFICATIONS

Appearance	:	Light yellow coloured medium.
Quantity of Medium	:	30 ± 2 ml of medium in 90 mm plates.
pH (at 25°C)	:	7.3 ± 0.2
Dose of irradiation:	:	10.00- 25.00
Sterility Check	:	Passes release criteria



## INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Staphylococcus aureus	25923	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours
Staphylococcus aureus	6538	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours
Escherichia coli	25922	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours
Escherichia coli	8739	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours
Pseudomonas aeruginosa	9027	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours
Candida albicans	10231	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours
Aspergillus brasiliensis	16404	50-100	Luxuriant	>=70 %	30- 35 °C	18 – 24 hours

## PACKAGING:

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

## STORAGE

On receipt,store the plates at 20–30 °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.HallandHartnett, 1964, Public Hlth. Rep., 79:1021.



**QTY.**

Quantity

**LOT/  
B. NO.**

Lot / Batch Number



Temperature Unit



Best Before



Manufacturer

**GMP**

Certification of  
Good Manufacturing Practices

**REF**

Catalogue No.



European Conformity



QR  
Code



Consults Instructions for use :

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

\*For Lab Use Only

