

## TMP 057GT - SOYABEAN CASEIN DIGEST AGAR PLATE W/ LTHTH (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 w/ LTHTH 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	17.000
Soya peptone	5.000
Sodium chloride	5.000
Lecithin	0.700
Polysorbate 80 (Tween 80)	5.000
Histidine	0.500
Sodium thiosulphate	0.500
Agar	15.000

### PRINCIPLE

Tryptone and soya peptone provide nitrogenous compounds and other nutrients essential for microbial replication. Lecithin, polysorbate 80 (Tween 80) and thiosulphate act as neutralizing agents reported to neutralize the activity of antimicrobial agents. Lecithin and polysorbate 80 neutralizes quaternary ammonium compounds and parahydroxy benzoates. Sodium thiosulphate neutralizes mercurial, halogens, aldehydes etc. Histidine acts as a reducing agent.

### 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	: Amber 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:	: 15-25 kGy
Sterility Check	: Passes release criteria

### INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Growth w/ disinfectant	Recovery	Incubation Temperature	Incubation Period
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours
<i>Escherichia coli</i>	25922	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours
<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours

### PACKAGING:

Triple layered 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

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

### REFERENCES

- Hall and Hartnett, 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**

Revision: 30<sup>th</sup> March. 2022

