CM 22410 - 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

SoyabeanCaseinDigestAgarw/LTHTh isused 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	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

Eitherstreak,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

Culturalcharacteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Growth w/ disinfectant	General Recovery (%)	Incubation Temperature	Incubation Period
Staphylococcus aureus	25923	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours
Escherichia coli	25922	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours
Bacillus subtilis	6633	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours
Clostridium sporogenes	11437	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C	18 – 24 hours
Candida albicans	10231	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C & 20-25 °C	24-48 hours / 48-72 hours
Aspergillus brasieliensis	16404	50-100	Luxuriant	fair-good, (depends on concentration of quarternary ammonium compounds)	>=70 %	30- 35 °C & 20-25 °C	48-72 hours / 72-120 hours

PACKAGING:

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

STORAGE

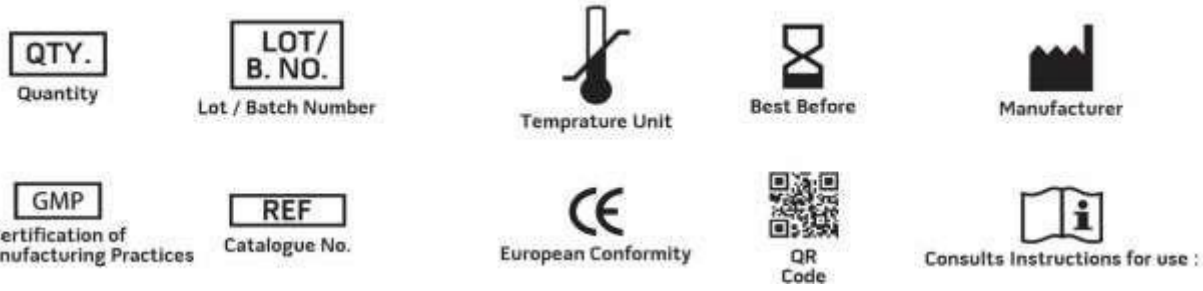
Onreceipt, store the plates at 15–30 °C. Avoid freezing and overheating. Do not open until ready to use. Prepared plates stored in their original sleeve wrapping until just prior to use may be inoculated up to the expiration date and incubated for recommended incubation times. Allow the medium to warm 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.HallandHartnett, 1964, Public Hlth. Rep., 79:1021.



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

*For Lab Use Only

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