CM 22590 -SOYABEAN CASEIN DIGEST AGAR PLATE W/ 1% Glycerin & 1% POLYSORBATE 80 (γ- IRRADIATED) (TRIPLE PACK)

INTENDED USE

For determining efficiency of sanitization of containers, equipment, surfaces, water miscible cosmetics etc.

PRODUCT SUMMARY AND EXPLANATION

Soyabean caseinDigestAgar Plate w/ Glycerin& Polysorbate 80 is recommended for the isolation of microorganisms from environmental surfaces and is used primarily to monitor microbial contamination, enumerate the number of microbial colonies growing on a variety of surfaces sanitized with phenolic compounds, and to assist in determining surface sanitation.

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
Casein enzyme hydrolysate	15.000
Agar	15.000
Glycerin	10.000 ml
Polysorbate 80 (Tween 80)	10.000 ml
Papaic digest of Soybean	5.000
Sodium chloride	5.000

PRINCIPLE

Mediumcontains Casein enzymehydrolysate and papaic digest of soybean meal which provide nitrogenous compounds and other nutrients essentialfor microbial replication. Sodium chloride is added to maintain cellular osmotic equilibrium. Polysorbate 80 isaneutralizer added to the formulation to inactivate germicidal or disinfectant residues. Phenolic disinfectants and hexachlorophene are neutralized by polysorbate 80. Glycerin helps in retention of moisture and serves as a carbon source.Agar is used as a solidifying agent.

INSTRUCTION FOR USE

Eitherstreak,inoculate orsurface spread the test inoculum aseptically on the plate. Alternatively, these plates can also be used as settle plates forenvironmental monitoring.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Light amber color 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	Recovery	Incubation Temperature	Incubation Period
Bacillus subtilis	6633	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Streptococcus pneumoniae	6305	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Staphylococcus aureus	25923	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Micrococcus luteus	9341	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Staphylococcus aureus	6538	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Escherichia coli	25922	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Escherichia coli	8739	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Pseudomonas aeruginosa	9027	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Salmonella typhimurium	14028	50-100	Luxuriant	>=70 %	30-35°C	24 Hours
Candida albicans	10231	50-100	Luxuriant	>=70 %	30-35°C	24 -72 Hours
Candida albicans	10231	50-100	Luxuriant	>=70 %	20-25°C	24 -72 Hours
*Aspergillus brasiliensis	16404	10-100	Luxuriant	>=70 %	30-35°C	72-120 Hours
*Aspergillus brasiliensis	16404	10-100	Luxuriant	>=70 %	20-25°C	72-120 Hours

*Formerly known as Aspergillus niger

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

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