

TMP 013GT - SOYABEAN CASEIN DIGEST AGAR PLATE W/LECITHIN AND POLYSORBATE 80 (TRYPTONE SOYA AGAR PLATE W/LECITHIN AND POLYSORBATE 80 (γ -IRRADIATED) (TRIPLE PACK)

INTENDED USE

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

PRODUCT SUMMARY AND EXPLANATION

Soyabean casein Digest Agar Plate w/ Lecithin and Polysorbate 80 (90mm) plates are 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 quaternary ammonium 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. Gamma- irradiation of the product is indicated by an orange to red color of the irradiation indicator stripe on the inner label.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymatic hydrolysate	15.000
Agar	15.000
Sodium chloride	5.000
Papaic digest of soyabean meal	5.000
Polysorbate 80 (Tween 80)	5.000
Lecithin	0.700

PRINCIPLE

Medium contains Casein enzymatic hydrolysate and papaic digest of soyabean meal which helps to provide nitrogenous compounds and other nutrients essential for microbial replication. Sodium chloride is added to maintain cellular osmotic equilibrium. Lecithin and polysorbate 80 are added to the formulation to neutralize germicidal or disinfectant residues. Neutralization of these residues reduces their inhibitory effect which ultimately results in lowering of microbial count. Quaternary ammonia compounds are neutralized by lecithin, while phenolic disinfectants and hexachlorophene are neutralized by polysorbate 80. Together, lecithin and polysorbate 80 neutralize ethanol.

INSTRUCTION FOR USE

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

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Light to medium amber colour medium.
Quantity of Medium	: 28±2ml of medium in 90mm disposable Petri-plates.
pH (at 25°C)	: 7.3 ± 0.2
Dose of irradiation	: 15-25 kGy
Sterility Test	: Passes release criteria

INTERPRETATION

Cultural characteristics observed after incubation at 35 ± 2°C for 18 - 24 hours for bacteria and for 20-25°C for ≤ 5 days for fungus.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Escherichia coli</i>	8739	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours
<i>Staphylococcus aureus</i>	6538	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours
<i>Pseudomonas aeruginosa</i>	9027	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours
<i>Bacillus subtilis</i>	6633	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours
<i>Salmonella typhimurium</i>	14028	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours
<i>Staphylococcus epidermidis</i>	12228	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours
<i>Candida albicans</i>	10231	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours
<i>Aspergillus brasiliensis</i>	16404	50-100	Luxuriant	≥70 %	35-37°C	18-24 Hours

STORAGE & STABILITY

On receipt, store the plates at 15–25 °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

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6. APHA Inc., Washington, D.C.
7. The United States Pharmacopoeia XXI and the National Formulary, 16th ed., 1985, United States Pharmacopoeial Convention, Inc, Washington, D.C.
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10. Salfinger Y., and Tortorello M.L. Fifth (Ed.), 2015, Compendium of Methods for the Microbiological Examination of Foods, 5th Ed., American Public Health Association, Washington, D.C.

 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedNet GmbH Barkstrasse 10, 48163 Moenster, Germany</small>	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.
*For Lab Use Only
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