

## TMST 004GT - PREWETTED SWAB IN NORMAL SALINE AND SECOND TUBE CONTAINING SCDM W/ SOYA LECITHIN, POLYSORBATE 80 ( $\gamma$ -IRRADIATED) (TRIPLE PACK)

### INTENDED USE

For isolating microbial specimens in presence of antiseptics and disinfectants.

### PRODUCT SUMMARY AND EXPLANATION

Each Sterile Pack Swab unit is ready-to-use and comprised of a peel open pouch containing a sampling pre-wetted swab in normal saline (part I) with approximately 10 solution. The pre-wetted swab in normal saline solution is a general-purpose isotonic solution for the maintenance the viability of microorganisms and in part II SCDM with Lecithin and Polylobate 80 which is used for the detection and enumeration of microorganisms present on surfaces of sanitary importance. Collection of samples from areas before and after the treatment with disinfectant evaluates cleaning procedures in environmental sanitation. The concentration of microorganism is determined by comparing amounts of growth obtained with that given by the reference standard solutions. Use of this method is appropriate only when test samples are clear.

### COMPOSITION

Ingredients	Concentration (grams/ltrs)
<b>Part I</b>	
Sodium Chloride	8.500
<b>Part II</b>	
Tryptone	15.000
Soya peptone	5.000
Sodium chloride	5.000
Polysorbate 80	5.000
Lecithin	0.700

### PRINCIPLE

Tryptone and Soya peptone provide nitrogenous compounds and other nutrients essential for microbial replication. Lecithin and polysorbate 80 (Tween 80) are neutralizers reported to inactivate residual disinfectants from where the sample is collected. Lecithin neutralizes quaternary ammonium compounds and Polysorbate 80 neutralizes phenolic disinfectants, hexachlorophene, formalin and with lecithin ethanol.

### INSTRUCTION FOR USE

Using the capped swab, provided along with the media containing tube, collect the sample to be transported and insert back the capped swab with the sample till the bottom of the medium. Tighten the cap firmly. The specimen will be preserved during transportation and also the viability of the organisms will be maintained but it will diminish over the time. After the transportation, the specimen should be inoculated in proper medium as soon as possible. The cultures on transport swabs must not be kept at room temperature for more than 24 hours.

### QUALITY CONTROL SPECIFICATIONS

**Appearance of medium** : Part I- Clear colorless solution  
Part II- Light yellow clear liquid, Clear opalescent or light precipitate is acceptable.



pH (at 25°C) (Part II)	: 7.3 ± 0.2
Sterilization	: 20-25 kGy
Sterility Check	: Passes release criteria

### INTERPRETATION

Culture characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Recovery on SCDA	Incubation Temperature	Incubation Period
<i>Escherichia coli</i>	25922	50-100	Luxuriant	35 ± 2°C	18 - 24 hours
<i>Pseudomonas aeruginosa</i>	9027	50-100	Luxuriant	35 ± 2°C	18 - 24 hours
<i>Salmonella Typhimurium</i>	14028	50-100	Luxuriant	35 ± 2°C	18 - 24 hours
<i>Staphylococcus aureus</i>	6538	50-100	Luxuriant	35 ± 2°C	18 - 24 hours
<i>Candida albicans</i>	10231	50-100	Luxuriant	35 ± 2°C	24-48 hours

### PACKAGING:

In pack size of 50 Nos

### STORAGE

On receipt, store Sterile pre-wetted Swab w/ Normal Saline tube & w/SCDM, Soya Lecithin and Polysorbate 80 (Gamma Irradiated) in the dark at 10 to 25° C. Avoid freezing and overheating. The medium may be used up to the expiration date and incubated for the recommended incubation times.

Product Deterioration: Do not use product if they show evidence of microbial contamination, discoloration, or any other signs of deterioration.

### DISPOSAL

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

### REFERENCE

1. Murray, P.R., E.J. Baron, J.H. Jorgensen, M.L. Landry, and M.A. Tenover. 2007. Manual of Clinical Microbiology. 9<sup>th</sup> ed. ASM Press, Washington, D.C.
2. Forbes, B.A., D.F. Sahm, and A.S. Weissfeld. 2007. Bailey and Scott's Diagnostic Microbiology. 12<sup>th</sup> ed. Mosby Elsevier, St Louis, MO.



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

**\*For Lab Use Only**  
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