TM 2389 – TRYPTONE SOYA BROTH W/4% POLYSORBATE 20 & 0.5% LECITHIN

INTENDED USE
Recommended for sanitary examination of surfaces.

PRODUCT SUMMARY AND EXPLANATION
This medium is recommended for sanitary examination of surfaces. Weber and Black had described the importance of a highly nutritional medium containing neutralizing agents for neutralizing quaternary ammonium compounds. It is further recommended for microbiological examination of food products, nutritional and dietary supplements

COMPOSITION

Ingredients	Gms / Ltr
Part II	
Tryptone	17.000
Soya peptone	3.000
Sodium chloride	5.000
Dextrose(Glucose)	2.500
Dipotassium hydrogen phosphate	2.500
Soya lecithin	5.000
Part II	
Polysorbate 20	40.000

PRINCIPLE
The medium contains Tryptone and soya peptone which provides nitrogenous and carbonaceous compounds, long chain amino acids, and other essential nutrients for the growth of the organisms. Sodium chloride maintains osmotic balance. Dextrose is the carbohydrate source. Soya lecithin neutralizes the quaternary ammonium compounds while polysorbate 20 neutralizes phenolic disinfectants, hexachlorophene and formalin.

INSTRUCTION FOR USE
- Suspend 35.0 grams of Part I in 960 ml purified / distilled water.
- Heat if necessary to dissolve the medium completely. Add 40 ml of Part II.
- Mix well and dispense into tubes or flasks as desired.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS
Appearance of Powder : Part I: Cream to yellow homogeneous free flowing powder
Part II: Colourless clear viscous liquid
Appearance of prepared medium : Yellow coloured, hazy solution with precipitate
pH (at 25°C) : 7.3±0.2

INTERPRETATION
Cultural characteristics observed after incubation.

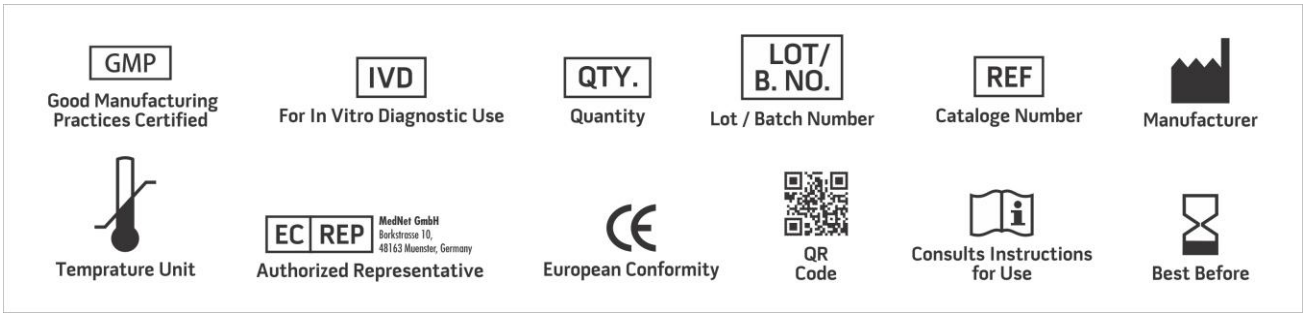
Microorganism	ATCC	Inoculum (CFU)	Growth	Recovery	Incubation Temperature	Incubation Period
Staphylococcus aureus subsp. aureus	6538	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Staphylococcus aureus	25923	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Escherichia coli	8739	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Escherichia coli	25922	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Bacillus subtilis subsp. spizizenii	6633	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Candida albicans	10231	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours

PACKAGING:
In pack size of 500 gm bottles.

STORAGE
Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

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

REFERENCES
1. Weber and Black, 1948, Soap and Sanitary Chemicals, 24:134.
2. Weber and Black, 1948, Am. J. Public Health, 38:1405.
3. Favero (chm.), 1967, Microbiological Sampling of Surfaces, Biological Contamination Control Committee, American Asso. for Contamination Control.



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

***For Lab Use Only**

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