TM 1310 – TRYPTONE SALT BROTH

INTENDED USE
For preparation of specimens, stock suspensions and decimal dilutions for microbiological tests.

PRODUCT SUMMARY AND EXPLANATION
Tryptone Salt Broth is recommended by ISO Committee for preparation of specimens, stock suspensions and decimal dilutions used in various microbiological tests of food specimens. For ten-fold serial dilutions, dispense the diluents in volume necessary for the preparation of the decimal dilutions into test tubes or flasks in quantities such that after sterilization each tube or flask contains 9.0 ml. Transfer 1 ml of the initial suspension by means of a pipette into a tube containing 9 ml of sterile diluent at the appropriate temperature. For optimal precision, avoid any contact between the pipette containing the inoculum and the sterile diluent. Mix thoroughly to obtain dilutions until the appropriate number of microorganisms has been obtained.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymic hydrolysate	1.000
Sodium chloride	8.500

PRINCIPLE
Casein enzymic hydrolysate provides nitrogenous compounds and other essential growth nutrients. Sodium chloride maintains the osmotic equilibrium.

INSTRUCTION FOR USE
- Suspend 9.5 grams in 1000 ml distilled water.
- Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes. Mix well and dispense as desired.

QUALITY CONTROL SPECIFICATIONS
Appearance of Powder : Cream to yellow homogeneous free flowing powder
Appearance of prepared medium : Yellow coloured clear solution without any precipitate.
pH (at 25°C) : 7.0±0.2

INTERPRETATION
Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU)	Growth	Incubation Temperature	Incubation Period
Escherichia coli	25922	50-100	Luxuriant	35-37°C	18-24 Hours

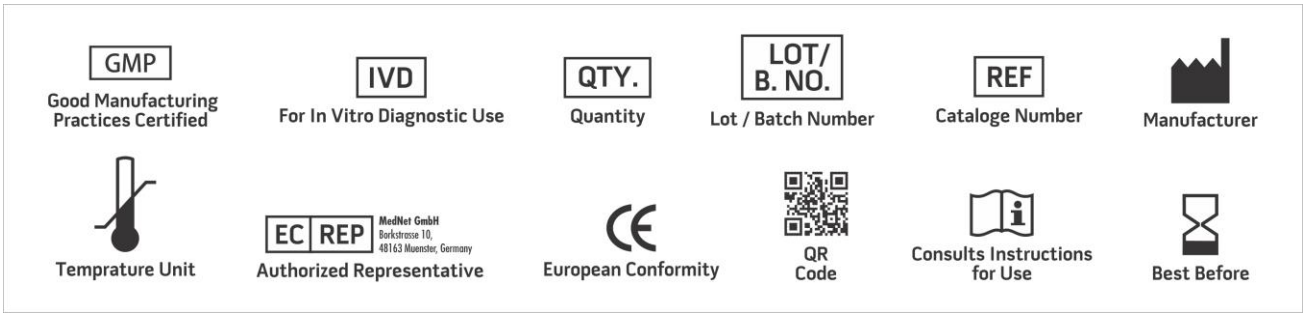
Salmonella Typhimurium	14028	50-100	Luxuriant	35-37°C	18-24 Hours
Staphylococcus aureus	25923	50-100	Luxuriant	35-37°C	18-24 Hours

PACKAGING:
In pack size of 100 gm and 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. International organization for standardization (ISO): 1999, Draft ISO/DIS 6887-1.



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