

TM 2384 – TRYPTONE SALT AGAR, W/1% NaCl

INTENDED USE

For differentiation of El Tor and Classical biotypes of *Vibrio* in accordance with FDA BAM, 1998.

PRODUCT SUMMARY AND EXPLANATION

Members of the genus *Vibrio* are defined as Gram-negative, asporogenous rods that are straight or have a single, rigid curve. They are motile; most have a single polar flagellum, when grown in liquid medium. Different methods used for the confirmation of *Vibrio* species include physical, biochemical and serological assays. Tryptone salt agar w/ 1% NaCl is used for the growth of *Vibrio sp.* in accordance with FDA BAM for differentiation of El Tor and Classical biotypes.

Blend the food sample to be analysed with Alkaline peptone water (APW) in appropriate ratio and incubate as per the recommendation by FDA BAM. Pure cultures can be isolated from APW by plating a loopful of the inoculum into TCBS agar. For biochemical and serological identification of *Vibrio*, colonies from crowded plates must be streaked to Tryptone salt agar, w/1% NaCl for purity. Incubate overnight at 35 ±2° C and proceed with identification using a single isolated colony for differentiation of Classic and El Tor biotypes. Further biochemical tests can also be done using colonies from this medium.

COMPOSITION

Ingredients	Gms / Ltr
Tryptone	10.000
Sodium chloride	10.000
Agar	20.000

PRINCIPLE

The medium contains tryptone which acts as a source of amino acid for growing bacteria and NaCl for maintaining osmotic balance.

INSTRUCTION FOR USE

- Suspend 40.0 grams in 1000 ml purified / distilled water.
- Heat to boiling to dissolve the medium completely.
- For slants, dispense into tubes Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C and solidify tubes as slants or mix well and pour into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium	: Light yellow coloured clear to slightly opalescent gel forms in Petri plates
pH (at 25°C)	: 7.1 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU)	Growth	Recovery	Incubation Temperature	Incubation Period



<i>Vibrio cholerae</i>	15748	50-100	Good-luxuriant	>=50%	35-37°C	18-48 Hours
<i>Vibrio parahaemolyticus</i>	15748	50-100	Good-luxuriant	>=50%	35-37°C	18-48 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. Vera. 1944. J. Bact., 47.
2. FDA, U.S. 1998. Bacteriological Analytical Manual. 8 ed. Gaithersburg, Md.: AOAC International.

 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 Birkstrasse 10 49163 Muenster, 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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