

TM 2380 – TRANSPORT LIQUID MEDIUM

INTENDED USE

For recovery of microorganisms by neutralizing the disinfectants and antiseptics used while taking swab specimens from wounds, burns and other clinical specimens.

PRODUCT SUMMARY AND EXPLANATION

The medium is slight modification of medium developed according to the procedure of Engley and Dey and is recommended for recovery of microorganisms by neutralizing the disinfectants and antiseptics used while taking swab specimen from wounds, burns and other clinical specimens.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymic hydrolysate	5.000
Dextrose	2.000
Sodium thiosulphate	5.000
Sodium thioglycollate	1.000
Sodium bisulphite	1.000
Polysorbate 80	1.000
Dipotassium phosphate	1.000
Yeast extract	2.500

PRINCIPLE

Casein enzymic hydrolysate provides nitrogenous compounds while yeast extract, B complex vitamins, dextrose provides the carbon source. The neutralizers in the medium inactivate a variety of disinfectant and antiseptic chemicals. Sodium bisulfite neutralizes aldehydes, sodium thioglycollate mercurials and sodium thiosulphate neutralizes iodine and chlorine, polysorbate 80 neutralizes substituted phenolics.

INSTRUCTION FOR USE

- Dissolve 18.5 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. Dispense as desired.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium	: Light yellow coloured clear solution.
pH (at 25°C)	: 7.6±0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period



<i>Bacillus subtilis</i>	6633	50-100	Good	35-37°C	40-48 Hours
<i>Escherichia coli</i>	25922	50-100	Good	35-37°C	40-48 Hours
<i>Pseudomonas aeruginosa</i>	27853	50-100	Good	35-37°C	40-48 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Good	35-37°C	40-48 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.Engley and Dey 1970. Chem Spec Manuf. Assoc. Proc., Mid Year Meeting., p 100.
- 2.Downes and Ito (ed.) 2001. Compendium for methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington D.C.
- 3.Quisno, Gibby and Foter., 1946 Am J. Pharm 118 : 320.
- 4.Erlandson and Lawrence. 1953 Science 118 : 274.
- 5.Brummer. 1976 Appl Environment. Microbiol 32:80.

 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 Borkstrasse 10, 48163 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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