

TM 850 - SACCHAROSE BROTH

INTENDED USE

For identification of saccharose fermenting microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Saccharose Broth is used in studying fermentation reaction in colon bacteria.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymic hydrolysate	17.000
Papaic digest of soyabean meal	3.000
Sodium chloride	5.000
Dipotassium hydrogen phosphate	2.500
Saccharose	5.000
Bromo thymol blue	0.025

PRINCIPLE

Casein enzymic hydrolysate and papaic digest of soyabean meal provide essential nutrients for bacterial metabolism. Saccharose provides the fermentable carbohydrate source for the bacteria. Bromothymol blue is a pH indicator. Sodium chloride maintains osmotic equilibrium.

INSTRUCTION FOR USE

- Dissolve 32.5 grams in 1000 ml distilled water.
- Heat if necessary to dissolve the medium completely.
- Dispense and sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to Yellow coloured homogeneous free flowing powder.
Appearance of prepared medium : Bluish green coloured clear to very slightly opalescent solution.
pH (at 25°C) : 7.0

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Acid	Gas	Incubation Temperature	Incubation Period
<i>Citrobacter freundii</i>	8090	50-100	Luxuriant	Positive reaction /Yellow colour	Positive reaction	35-37°C	18-24 Hours

<i>Escherichia coli</i>	25922	50-100	Luxuriant	Negative reaction, no colour change	Negative reaction	35-37°C	18-24 Hours
<i>Klebsiella pneumoniae</i>	13883	50-100	Luxuriant	Positive reaction /Yellow colour	Positive reaction	35-37°C	18-24 Hours
<i>Proteus vulgaris</i>	13315	50-100	Luxuriant	Positive reaction /Yellow colour	Positive reaction	35-37°C	18-24 Hours
<i>Salmonella Typhimurium</i>	14028	50-100	Luxuriant	Negative reaction, no colour change	Negative reaction	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. Oskar Klotz, Temporary Alteration of character of an organism belonging to the colon group. Journal of Medical Research, 1994,6P-475

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	
 Temperature Unit	 Authorized Representative	 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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