TM 2360 – TAUROCHOLATE BROTH

INTENDED USE
For selective isolation of coliforms from water, milk and other food products.

PRODUCT SUMMARY AND EXPLANATION
Taurocholate broth selectively supports growth of gram-negative coliforms from water, milk and other similar food products.

COMPOSITION

Ingredients	Gms / Ltr
Tryptone	8.000
Peptone	12.000
Lactose	10.000
Sodium taurocholate	5.000
Sodium chloride	5.000
Neutral red	0.030
Crystal violet	0.0001

PRINCIPLE
The selective action of this medium is attributed to crystal violet and sodium taurocholate which inhibits most species of gram-positive bacteria. Lactose is a fermentable carbohydrate. Neutral red is the indicator dye in the media. Lactose fermenters acquire pinkish red colour due to production of acid. Sodium chloride maintains the osmotic balance at the medium.

INSTRUCTION FOR USE
- Suspend 40.03 grams in 1000 ml purified / distilled water.
- Heat if necessary to dissolve the medium completely.
- Dispense in tubes containing inverted Durham's tubes and sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Light yellow to pink coloured homogeneous free flowing powder.
Appearance of prepared medium : Red coloured clear solution without any precipitate
pH (at 25°C) : 7.4±0.2

INTERPRETATION
Cultural characteristics observed after incubation.

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

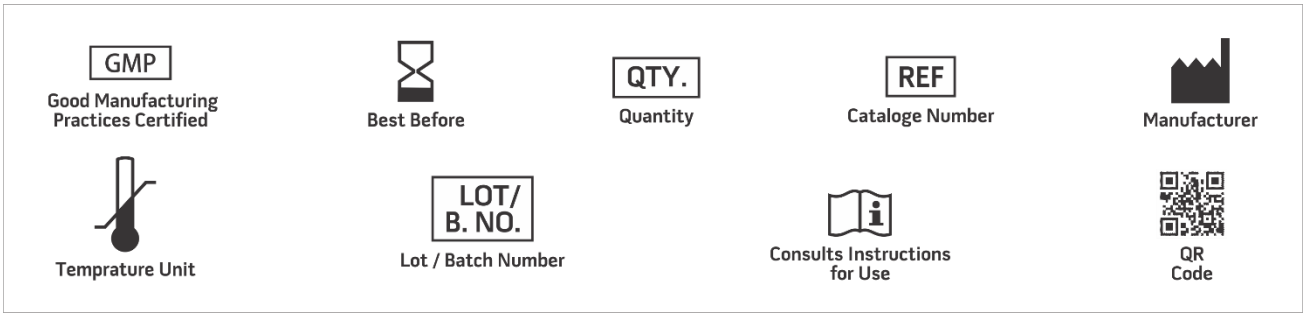
Klebsiella aerogenes	13048	50-100	Luxuriant	+	+	35-37°C	18-48 Hours
Escherichia coli	25922	50-100	Luxuriant	+	+	35-37°C	18-48 Hours
Staphylococcus aureus subsp. aureus	25923	>=10^4	Inhibited	-	-	35-37°C	18-48 Hours

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. Baird R.B., Eaton A.D., and Rice E.W., (Eds.), 2015, Standard Methods for the Examination of Water and Wastewater, 23rd ed., APHA, Washington, D.C



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.
***For Lab Use Only**
Revision: 08 Nov., 2019