Taurocholate Broth

Intended Use
Taurocholate Broth is used for selective isolation of coliforms from water, milk and other food products.

Summary
Taurocholate Broth selectively supports growth of Gram-negative coliforms from water, milk and other similar food products.

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 theosmotic balance at the medium.

Formula*

Ingredients	g/L
Casein Enzymic Hydrolysate	8.0
Peptic Digest of Animal Tissue	12.0
Lactose	10.0
Sodium Taurocholate	5.0
Sodium Chloride	5.0
Neutral Red	0.03
Crystal Violet	0.0001
Final pH (at 25°C)	7.4 ± 0.2

*Adjusted to suit performance parameters.

Type of Specimen
Food and dairy samples; Water samples

Storage and Stability
Store dehydrated medium below 30°C in tightly closed container and the prepared medium at 2°C-8°C. Avoidfreezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Specimen Collection and Handling
Ensure that all samples are properly labelled.
Follow appropriate techniques for handling samples as per established guidelines.
Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure.
The samples must be stored and tested within the permissible time duration.
After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions
1. Suspend 40.03 g of the powder in 1000 mL purified / distilled water.
2. Heat if necessary, to dissolve the powder completely.
3. Dispense in tubes containing inverted Durham's tubes and sterilize by autoclaving at 121°C (15 psi) for 15 minutes as per validated cycle.

Quality Control
Dehydrated Appearance: Light yellow to pink coloured, homogeneous, free flowing powder.
Prepared Appearance: Red coloured, clear solution without any precipitate.
Cultural Response: Cultural characteristics observed after an incubation of 18-48 hours at 30°C-35°C.

Organism (ATCC)	Growth	Acid	Gas
Klebsiella aerogenes (13048)	Good	+	+
Escherichia coli (25922)	Good	+	+
Escherichia coli (8739)	Good	+	+
Staphylococcus aureus subsp. aureus (25923)	Inhibited	_	_
Staphylococcus aureus subsp. *aureus* (6538)	Inhibited	_	_

Performance and Evaluation

Performance of the product is dependent on following parameters as per product label claim:

1. Directions
2. Storage
3. Expiry

Warranty

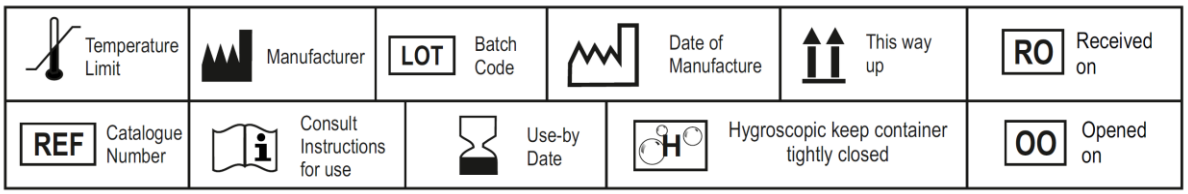
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Reference

1. Data on file: Microxpress®, A division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
201200040100	Dehydrated Culture Media	100 g
201200040500	Dehydrated Culture Media	500 g



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Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.