

EC Broth

Product No. CM104

Intended Use

Used for the detection of *fecal coliform* and *E.coli*. (GB, SN, FDA BAM)

Specification 250 g

Ingredients	(g/L)
Tryptose	20.0
Bile Salt No.3	1.5
Dipotassium Phosphate	4.0
Monopotassium Phosphate	1.5
Lactose	5.0
Sodium Chloride	5.0

(pH 6.9 ± 0.1)

Additional Reagents

No

Principle and Interpretation

Lactose provides fermentable carbohydrate for the growth of *coliforms*. Bile salts are inhibitory for gram-positive bacteria, particularly *bacilli* and *fecal streptococci*. The medium has a strong potassium phosphate buffering system to control the pH in the presence of considerable fermentative action. Sodium chloride maintains the osmotic balance of the medium.

Directions

Suspend 37.0 g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Dispense 8mL into test tubes, containing inverted Durham tubes. Autoclave at 121°C for 15 minutes.

Precautions

No

BEIJING LAND BRIDGE TECHNOLOGY CO.,LTD.

No. 3, Gaobeidian North Road, Chaoyang District, Beijing (100123)

Tel: +86-10-51203999 +86-400-810-1304

Mail: info@beijinglandbridge.com Web: www.beijinglandbridge.com

Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth
<i>Escherichia coli</i> ATCC 25922	10-100	TSA	semiquantitative	44.5°C± 0.2°C 48h±2h	turbidity 2, and the gas fills 1/3 of the tube
<i>Escherichia coli</i> CICC 25012 [CMCC(B) 43201]					
<i>Enterococcus faecalis</i> ATCC 29212	1000-5000				turbidity 0 Inhibition
<i>Enterococcus faecalis</i> CICC 25019 [CMCC(B) 32482]					

Storage Conditions

Store tightly closed in a cool, dry place.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
CM104-01	EC Broth	1000 g
CM104-05	EC Broth	8mLx20
CM104-06	Modifed EC Broth (mEC+n)	225mL x10
CM104-06T	EC Broth(without novobiocin)	225mL x10

For laboratory use in industry or R&D purpose. Not for drug, household or other uses.