

EC Broth

Product: EC Broth

Catalogue Number: i23061

Content: 500 g

Use: EC Broth is used for the detection of coliform bacteria at 35°C and of *Escherichia coli* at an elevated temperature (44.5 or 45.5°C).

Principle: EC Medium contains peptone as a source of nutrients. 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.

Composition g / l

Casein enzymic hydrolysate	20.000
Lactose	5.000
Bile salts mixture	1.500
Dipotassium phosphate	4.000
Monopotassium phosphate	1.500
Sodium chloride	5.000

Dehydrated Appearance: Light beige, free-flowing, homogeneous.

Solution: 3.66% solution, soluble in purified water. Solution is light to medium amber, clear.

Prepared Appearance: Light amber, clear.

pH at 25 °C: 6.9 ± 0.2

Storage: Store at 15-30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label

Shelf life: If stored under recommended conditions the unopened container has a shelf-life of 3 years after day of production (see expiry date on the label).