

Lauryl Sulfate Broth

Product: Lauryl Sulfate Broth

Catalogue Number: i23076

Content: 500 g

Use: Lauryl Sulfate Broth is used for the detection of coliform organisms in materials of sanitary importance.

Principle: Peptone provides essential growth substances, such as nitrogen and carbon compounds, sulfur and trace ingredients. The potassium phosphates provide buffering capacity. Sodium chloride maintains osmotic equilibrium. Lactose provides a source of fermentable carbohydrate for coliform organisms. The fermentation of lactose with gas formation is a presumptive test for coliforms. Sodium lauryl sulfate inhibits organisms other than coliforms.

Composition g / l

Tryptose	20.000
Lactose	5.000
Sodium chloride	5.000
Dipotassium phosphate	2.750
Monopotassium phosphate	2.750
Sodium lauryl sulphate	0.100

Appearance: Light beige, free-flowing, homogeneous powder

Solubility: 3.56% solution, soluble in distilled or deionized water upon warming.

Solution Appearance: Light to medium amber, clear to very slightly opalescent.

pH: 6.8±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).