

LAURYL SULPHATE BROTH (LAURYL TRYPTOSE BROTH)

A selective enrichment medium for the detection of coliforms.

Dehydrated media	
Code number:	500 g: LSB20500, 5 kg: LSB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,6 – 7,0

Direction: Suspend **35 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes fitted with Durham tube and sterilise by autoclaving at 115 °C for 15 minutes.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: LSB30100, 500 ml: LSB30500
Tubed media:	150 x 15 mm: LSB40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	6,7 – 6,9

Direction: Dispense the bottled media aseptically into sterile test tubes fitted with Durham tube. Media in tubes are ready to use.

FORMULA in g/l

Tryptose	19,40
Lactose	5,00
Sodium chloride	5,00
Sodium lauryl sulphate	0,10
Potassium phosphate, dibasic	2,75
Potassium phosphate, monobasic	2,75

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good, with gas production	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, without gas production	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: APHA (1976) Compendium of Methods for the Microbiological Examination of Foods
ISO 4831:2006

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