

Lauryl Sulfate Broth

Lauryl Sulfate Tryptose Lactose Broth

TN 1152 500 g



Intended use

Used for the detection and determination of the germ count of coliform bacteria from water, waste water, foodstuffs and dairy products.

Form

Powder

Colour

Bright beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Tryptose	20
Lactose	5
Sodium chloride	5
Sodium lauryl sulfate	0.1
Dipotassium hydrogen phosphate	2.75
Potassium dihydrogen phosphate	2.75

Directions

Dissolve 35.6 g (for single-strength) or 71.2 g (for double-strength) in 1 litre distilled water, distribute into containers with Durham tubes and autoclave at 121 °C for 15 minutes.

Final pH at 25 °C

6.8 ± 0.2

Microbiological quality control

Incubate Lauryl Sulfate Broth (Lauryl Sulfate Tryptose Lactose Broth) aerobically for 18-48 hours at 36 ± 1 °C.

Test strain	ATCC no.	CFU/ 10 ml	Turbidity	Gas formation
<i>Escherichia coli</i>	25922	10-100	+	+
<i>Escherichia coli</i>	8739	10-100	+	+
<i>Klebsiella pneumoniae</i>	13883	10-100	+	+
<i>Salmonella</i> Typhimurium	14028	10-100	+	-
<i>Citrobacter freundii</i>	8090	10-100	+	+
<i>Enterobacter cloacae</i>	13047	10-100	+	+
<i>Staphylococcus aureus</i>	25923	10-100	none/ only moderate	-

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