Lauryl Sulfate Tryptose Broth with Tryptophan and MUG
LST/MUG Medium

TN 1153 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
MUG (4-Methylumbelliferyl-ß-D-glucuronide)	0.1
Tryptophan	1

Directions

Dissolve 36.7 g (for single-strength) or 73.4 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 Tryptose Broth with Tryptophan and MUG (LST/MUG Medium) aerobically for 18-48 hours at 36 ± 1 °C.

Test strain	ATTC no.	Turbidity	Gas formation	Fluorescence at 366 nm	Indole formation
Escherichia coli	25922	+	+	+	+
Klebsielle pneumoniae	13883	+	+	-	-
Salmonella Typhimurium	14028	+	-	-	-
Citrobacter freundii	8090	+	+	-	-
Enterobacter cloacae	13047	+	+	-	-

Date of revision: 2014/03/20

Manufacturer: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 927 030-0 | F: +49 30 927 030-30 | info@sifin.de | www.sifin.de