



Laurylsulfat-Tryptose-B. (Tryptoph. u. MUG)

Shorthand symbol:	LTTM
Item number:	60-1153
Format:	Tube, 9ml with Durham tube
Colour:	Clear, yellowish colored
Storage conditions:	Dry and closed at 15-22°C
Shelf-life:	2 Months
pH:	6.8 ± 0.2 at 25°C



Intended use and fields of application

For detection and germ count determination of coliform bacteria from water, wastewater, food and dairy products.

Typical composition in g/l

in g per 1l Nutrient medium

Tryptose	20
Lactose	5
Sodium chloride	5
Sodium lauryl sulfate	0.1
Potassium hydrogen phosphate	2,75
Potassium dihydrogen phosphate	2,75
MUG(4-Methylumbelliferyl-β-D-glucuronid)	0.1
Tryptophan	1

*Adjusted as required to meet performance standards

Microbiological quality control

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133.

Productivity

Incubations condition: E. coli: 24 ± 2 to 48 ± 2 hours at 37 ± 1 °C; Coliform bacteria: 24 ± 2 to 48 ± 2 hours at 30 ± 1 °C; Inoculum concentration: 80 – 120 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli (37 ± 1 °C)	ATCC 8739 / WDCM 00012	Turbidity: + / Gas formation: +	-
Escherichia coli (30 ± 1 °C)	ATCC 8739 / WDCM 00012	Turbidity: + / Gas formation: +	-
Citrobacter freundii	ATCC 43864 / WDCM 00006	Turbidity: + / Gas formation: +	-

Selectivity

Incubation conditions: 24 ± 2 hours at 37 ± 1 °C; Inoculum Concentration: 10.000 – 1.000.000 CFU

Organism	Test strain	Specification	Colony morphology
Enterococcus faecalis	ATCC 19433 / WDCM 00009	Complete inhibition	-

Microbial contamination

Incubation conditions: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

Specification

No microbial contamination