Brilliant Green Bile Lactose Broth

TN1109 500 g

Intended use
Used for the selective enrichment of Escherichia coli and other coliforms in water, dairy products, food and other test materials. Culture medium is used for the confirmation of E. coli and coliform bacteria in accordance with IDF standard 73B:1998.

Form
Powder

Colour
Beige

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
5 years

Directions
Dissolve 40 g in 1 litre distilled water, mix well and distribute into containers with Durham tubes. Autoclave for 15 minutes at 121 °C or heat for 30 minutes at 100 °C. Do not autoclave double-strength broth!

Typical composition

Component	g/l
Casein peptone	10,0
Ox bile	20,0
Lactose	10,0
Brilliant green	0,0133

Final pH at 25 °C
7,2 ± 0,2

Microbiological quality control
Incubation: aerobically, 24-48 hours, 30 ± 1 °C

Test strain	CFU / tube*	Growth	Gas formation
Escherichia coli ATCC 8739 (WDCM 00012)	≤ 100	good	positive
Escherichia coli ATCC 25922 (WDCM 00013)	≤ 100	good	positive
Citrobacter freundii ATCC 43864 (WDCM 43864)	≤ 100	good	positive
Klebsiella oxytoca ATCC 49131	≤ 100	good	positive
Enterococcus faecalis ATCC 19433 (WDCM 00009)	10^4-10^6	possible	negative
Enterococcus faecalis ATCC 29212 (WDCM 00087)	10^4-10^6	possible	negative
Bacillus cereus ATCC 11178 (WDCM 0001)	10^4-10^6	no	negative
Staphylococcus aureus ATCC 6538 (WDCM 00032)	10^4-10^6	no	negative

*) Reference medium used: TSA

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Manufacturer: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 700 144-0 | F: +49 30 700 144-30 | info@sifin.de | www.sifin.de