



Brilliantgrün-Galle-Lactose-Bouillon

according to § 64 LFGB, formerly §35 LMBG

Shorthand symbol:	BGL
Item number:	60-1109
Format:	Vial, 9ml
Colour:	clear, green bottle
Storage conditions:	Dry, closed at 15-22 ° C
Shelf-life:	3 Months
pH:	7.2 ± 0.2 at 25°C



Intended use and fields of application

Brilliant green bile lactose broth is used for the selective enrichment of Escherichia coli and other coliforms. The bile contained in the nutrient medium and the brilliant green suppress the growth of gram-positive (Flora) completely. The detection of the coliforms takes place via the gas formation as a result of the fermentation of the lactose contained in the nutrient medium.

Typical composition in g/l

in g per 1l Medium

Casein pepton (in g)	10
OX bile (in g)	20
Lactose (in g)	10
Brilliant green (in g)	0.0133

*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

Incubation conditions: 24 ± 2 to 48 ± 2 hours at 30 ± 1 °C; Inoculum Concentration: 80 - 120 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	Turbidity: +	-
Citrobacter freundii	ATCC 43864 / WDCM 00006	Turbidity: +	-

Selectivity

Incubations conditions: 24 ± 2 bis 48 ± 2 h at 30 ± 1 °C; Inoculum Concentration: 10.000 - 1.000.000 CFU

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

Microbial contamination

Incubations condition: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

Specification

No microbiological contamination