

Brilliantgrün-Phenolrot-Agar n. Edel-Kampelmacher (BPLS)

Shorthand symbol:	BPLS
Item number:	40-1110
Format:	Petri Dish, 90mm
Colour:	Reddish-brown
Storage conditions:	Dry, in closed bag at 4 – 10°C.
Shelf-life:	3 Months
pH:	7.0 ± 0.2 at 25°C



Intended use and fields of application

Modified Brilliant Green Phenol Red Agar according to Edel and Kampelmacher is a selective medium for the isolation of Salmonella from foods. The medium has been modified by increasing the Brilliant Green concentration so that it shows good growth of Gram Positive Bacteria, whereas most Gram Negative bacteria are strongly inhibited.

Typical composition in g/l

in g per 1 litre of Nutrient medium

Peptone	10.0
Beef Extract	5.0
Yeast Extract	3.0
Lactose	10.0
Saccharose	10.0
Disodium dihydrogen phosphate	1.0
Sodium dihydrogen phosphate	0.6
Brilliant Green	0.005
Phenol Red	0.09
Agar	10.0

*Adjusted as required to meet performance standards

Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements of ISO 11133:2014.

Productivity

Incubation conditions: 24±3 hours at 37±1°C; Inoculum concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Salmonella enterica ssp. abony	NCTC 6017/WDCM 00029	50–130 %	Pink colonies

Selectivity

Incubation conditions: 24±3 hours at 37±1°C; Inoculum concentration: 10.000–1.000.000 CFU

Organism	Type Strain	Specification	Colony morphology
Enterococcus faecalis	ATCC 19433/WDCM 00009	Complete inhibition	-
Escherichia coli	ATCC 6538/WDCM 00012	Growth and partial inhibition	Yellow colonies

Microbial Contamination

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

Specification

No microbial contamination