Brillant Green Phenol Red Agar

(BPLS Agar acc. to Kauffmann, modified)

TN1111 500 g

Intended use
Used for the isolation and identification of salmonellae (with the exception of S. Typhi) from meat and other foodstuffs as well as for the examination of pharmaceutical preparations.

Form
Powder

Colour
Red

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

Self life
5 years

Directions
Suspend 50 g in 1 litre of distilled water, bring to the boil to dissolve completely and pour into plates.

Directions acc. to EP 5.6
Suspend 50 g in 1 litre of distilled water, heat to boiling for 1 min.Sterilise by autoclaving at 121 °C for 15 minutes.

Typical composition

Components	g/l
Peptones (meat and casein)	10,0
Yeast extract	3,0
Sodium chloride	5,0
Lactose monohydrate	10,0
Sucrose	10,0
Phenol red	0,08
Brillant green	0,0125
Agar	12,0

Final pH at 25 °C
6,9 ± 0,2

Microbiological quality control
Incubation: aerobically, 18-24 hours, 36 ± 2 °C

Test strain	CFU / plate	Recovery rate in %*)	Appearance of colonies
Salmonella Typhimurium ATCC 14028 (WDCM 00031)	80-120	≥ 50 %	colonies colourless and translucent, surrounded by a reddish-pink or red zone
Salmonella Abony NCTC 6017 (WDCM 00029)	80-120	≥ 50 %	colonies colourless and translucent, surrounded by a reddish-pink or red zone
Pseudomonas aeruginosa ATCC 9027 (WDCM 00026)	80-120	≥ 50 %	colonies colourless and translucent, surrounded by a reddish-pink or red zone
Enterococcus faecalis ATCC 29212 (WDCM 00087)	10^4-10^6	≤ 0.1 %	no change of colour of the base medium
Staphylococcus aureus ATCC 6538 (WDCM 00032)	10^4-10^6	≤ 0.1 %	no change of colour of the base medium

*) Reference medium used: TSA

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