

BRILLIANT GREEN AGAR BASE, MODIFIED

A selective and differentiation medium for the isolation of *Salmonella* spp. other than *S. typhi* according to ISO 3565.

Dehydrated media	
Code number:	500 g: BGM20500, 5 kg: BGM25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,7 – 7,1

Direction: Suspend **26,5 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Cool quickly to 50 °C and add aseptically the contents of **one vial of Sulphamandelate Selective Supplement (SUS80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media bases:	100 ml: BGM30100, 500 ml: BGM30500
Plated media:	55 mm: BGM50055, 90 mm: BGM50090
Colour:	Brown
pH (25 °C):	6,8 – 7,0

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Proteose peptone	10,0000
Beef extract	3,0000
Yeast extract	3,0000
Lactose	10,0000
Sucrose	10,0000
Phenol red	0,0800
Brilliant green	0,0047
Sodium phosphate, monobasic	0,6000
Sodium phosphate, dibasic	1,0000
Agar	15,3000

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Salmonella typhimurium</i> ATCC 14028		Good, red colonies	
<i>Escherichia coli</i> ATCC 25922		Partially inhibited, yellow colonies	
<i>Proteus mirabilis</i> ATCC 29906		Partially inhibited, red colonies without swarming	
<i>Enterococcus faecalis</i> ATCC 29212		Inhibited	

References: Edel and Kampelmacher (1968) Bull. Wld. Hlth. Org. 39: 487.
ISO 3565:1975(E)

In vitro diagnostic – for professional use only!