BRILLIANT GREEN AGAR BASE, HUMAN

A selective and differentiation medium for the isolation of *Salmonella* spp. (including *S. typhi*) from clinical specimens.

Dehydrated media	
Code number:	500 g: BGH20500, 5 kg: BGH25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

Direction: Suspend **21,5 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **10 drops (0,5 ml) Brilliant Green Solution, Sterile (BGS80030-1D)**. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: BGH30100, 500 ml: BGH30500
Plated media:	55 mm: BGH50055, 90 mm: BGH50090
Colour of bottled media:	Pink
Colour of plated media:	Bluish
pH (25 °C):	7,2 – 7,4

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

Peptones	16,50
Lactose	10,00
Sucrose	1,00
Glucose	0,50
Acid fuchsin	0,08
Agar	15,00

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: 48 h
Salmonella typhi ATCC 19430		Good, colourless colonies	
Escherichia coli ATCC 25922		Slightly inhibited, red colonies	
Proteus mirabilis ATCC 29906		Partially inhibited, colourless colonies without swarming	
Enterococcus faecalis ATCC 29212		Inhibited	

In vitro diagnostic – for professional use only!