MANNITOL LYSINE BRILLIANT GREEN AGAR

A selective and differential medium for the isolation of *Salmonella* spp. other than *S. typhi*.

Dehydrated media	
Code number:	500 g: MLA20500, 5 kg: MLA25000
Colour:	Yellowish green
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	6,6 – 7,0

Direction: Suspend **54 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Cool quickly! Mix well before pouring.

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

Prepared media	
Bottled media:	100 ml: MLA30100, 500 ml: MLA30500
Plated media:	55 mm: MLA50055, 90 mm: MLA50090
Colour:	Brownish
pH (25 °C):	6,7 – 6,9

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	22,0000
L-Lysine	5,0000
Mannitol	3,0000
Sodium chloride	4,0000
Sodium thiosulphate	4,0000
Ferric ammonium citrate	1,0000
Brilliant green	0,0125
Violet red	0,0100
Agar	15,0000

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
Salmonella typhimurium	ATCC 14028	Good, mauve coloured colonies with black centre	
Escherichia coli	ATCC 25922	Inhibited	
Enterococcus faecalis	ATCC 29212	Inhibited	

References: Inoue et al. (1968) Jap. J. Vet. Sci. 30.

In vitro diagnostic – for professional use only!