

EOSIN METHYLENE BLUE LACTOSE SUCROSE AGAR

A selective and differential medium for the isolation and differentiation of Gram-negative enteric bacteria.

Dehydrated media	
Code number:	500 g: EMC20500, 5 kg: EMC25000
Colour:	Pinkish purple
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 – 7,2

Direction: Suspend **36 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: EMC30100, 500 ml: EMC30500
Plated media:	55 mm: EMC50055, 90 mm: EMC50090
Colour:	Dark purple
pH (25 °C):	6,9 – 7,1

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

FORMULA in g/l

Peptones	10,500
Lactose	5,000
Sucrose	5,000
Eosin Y	0,400
Methylene blue	0,065
Buffers	2,000
Agar	13,000

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>Escherichia coli</i>	ATCC 25922	Good, dark blue colonies with metallic sheen	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, colourless colonies	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: APHA (1950) Diagnostic Procedures and Reagents, 2nd ed.

In vitro diagnostic – for professional use only!