

ENDO LES AGAR

A selective and differential medium for the enumeration of coliforms by membrane filtration.

Dehydrated media	
Code number:	500 g: ELA20500, 5 kg: ELA25000
Packaging of 500 g:	500 g medium base + 1 x 50 ml fuchsin solution
Packaging of 5 kg:	5 kg medium base + 5 x 100 ml fuchsin solution
Appearance of agar base:	Yellowish, homogeneous hygroscopic powder
Appearance of supplement:	Deep magenta, precipitation free solution
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **50 g** in one litre of distilled water. Add **5 ml of Endo Basic Fuchsin Solution**. Mix well and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Mix well again before pouring.

Prepared media	
Bottled media:	100 ml: ELA30100, 500 ml: ELA30500
Plated media:	55 mm: ELA50055, 90 mm: ELA50090
Colour:	Pale pink
pH (25 °C):	7,1 – 7,3

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

FORMULA FOR COMPLETE MEDIUM in g/l

Peptones	15,00
Lactose	10,00
Sodium chloride	3,70
Sodium sulphite	1,60
Sodium deoxycholate	0,10
Sodium lauryl sulphate	0,05
Basic fuchsin	0,50
Buffers	4,50
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 supplements and 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 red colonies with green metallic sheen	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, colourless colonies	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: McCarthy et al. (1961) Water Sewage Works 108: 238.

In vitro diagnostic – for professional use only!