

HEKTOEN ENTERIC AGAR

A selective and differential medium for the isolation of enteric micro-organisms, especially *Salmonella* and some *Shigella* spp.

Dehydrated media	
Code number:	500 g: HEA20500, 5 kg: HEA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,3 – 7,7

Direction: Suspend **77 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Mix well before pouring.

Warning!

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

Prepared media	
Bottled media:	100 ml: HEA30100, 500 ml: HEA30500
Plated media:	55 mm: HEA50055, 90 mm: HEA50090
Colour:	Greenish
pH (25 °C):	7,4 – 7,6

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

FORMULA in g/l

Peptones	15,300
Bile salts	9,000
Lactose	12,000
Sucrose	12,000
Salicin	2,000
Sodium chloride	5,000
Sodium thiosulphate	5,000
Ferric citrate	1,500
Acid fuchsin	0,100
Bromothymol blue	0,065
Agar	15,000

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	Partially inhibited, salmon coloured colonies	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, greenish-blue colonies with black centre	
<i>Shigella sonnei</i>	ATCC 25931	Good, greenish-blue colonies	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: King and Metzger (1968) Appl. Microbiol. 16: 577.

In vitro diagnostic – for professional use only!