

## 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!