

**AgarCult™**  
**Hektoen Enteric Agar**

Hektoen Enteric Agar is a differential, selective medium for the isolation of Shigella and Salmonella species from enteric pathological specimens by

ISO 21567

Formula	g/l
Meat Peptone	12
Yeast extract	3
Lactose	12
Sucrose	12
Salicin	2
Bile salts No.3	9
Sodium chloride	5
Sodium thiosulphate	5
Ammonium ferric citrate	1.5
Acid fuchsin	0.1
Bromothymol blue	0.064
Agar	14
<b>Total</b>	<b>75.664</b>
<b>pH: 7.5 ± 0.2 at 25°C</b>	

#### Preparation

- # Dissolve 76g in 1000ml of distilled water (purified water)
- # Heat and frequent stirring to completely dissolve the medium
- # Heat with frequent stirring until boiling (**DO NOT AUTOCLAVE**)
- # Cool to 45-50°C, mix well and dispense into appropriate sterile containers

#### Quality Control (37°C/18-24 H)

Organism	Ref. No.	Result
Salmonella typhimurium	ATCC 14028	Good growth; blue-green coloured colonies with black centres
Shigella flexneri	ATCC 12022	Good growth; green coloured colonies
Escherichia coli	ATCC 25922	Inhibited or no growth
Enterococcus faecalis	ATCC 29212	No growth

#### Storage

Store the dehydrated medium tightly closed in a dry place at room temperature and use before the expiry date on the label.

Dehydrated medium: 10-30°C

#### Ordering Information

Code	Products	Package
HEA500	AgarCult™ Hektoen Enteric Agar	500g/Bottle
HEA9010	AgarCult™ Hektoen Enteric Agar 90mm	10Plates/Box