

# Product Specification Sheet

## *Hektoen Enteric Agar*

Intended Usage: A differential, selective medium for the isolation of *Shigella* and *Salmonella* species.

For professional use only.

PO5100A	
Version: 10	Revision Date: 07 June 2022

**Thermo Scientific™ Hektoen Enteric Agar**

Form of Product	Poured plate
Storage	2 – 12°C, dark
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	7.5 ± 0.2
Appearance	Olive yellow to ochre yellow, transparent
Shelf life	9 weeks
Intended Usage	A differential, selective medium for the isolation of <i>Shigella</i> and <i>Salmonella</i> species. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0419.

\*Adjusted as required to meet performance standards.

Typical formulation*	g/l
Proteose peptone	12.0
Yeast extract	3.0
Lactose	12.0
Sucrose	12.0
Salicin	2.0
Bile salts No. 3	9.0
Sodium chloride	5.0
Sodium thiosulphate	5.0
Ammonium ferric citrate	1.5
Acid fuchsin	0.1
Bromothymol blue	0.065
Agar	14.0

## Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check  
 $\geq 72$  h @ 20 – 25 °C, aerobic  
 $\geq 72$  h @ 30 – 35 °C, aerobic
3. Microbiological control

Positive Controls	Growth
<b>Inoculum 50 – 120 colony forming units (cfu), quantitative</b> <b>Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic</b>	
<i>Salmonella</i> Typhimurium ATCC® 14028™	2 – 3 mm, transparent colonies, black centres.
Colony counts shall be $\geq 50\%$ of the control medium TSA.	
<b>Inoculum 10<sup>3</sup> – 10<sup>4</sup> cfu, qualitative, control medium COL+SB</b> <b>Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic</b>	
<i>Shigella flexneri</i> ATCC® 12022™	Good growth, green shiny colonies.

Negative Controls	Growth
<b>Inoculum <math>\geq 10^4</math> cfu, quantitative, control medium TSA</b> <b>Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic</b>	
<i>Enterococcus faecalis</i> ATCC® 29212™	Complete inhibition ( $\leq 10$ cfu).
<b>Inoculum 50 – 120 cfu, quantitative, control medium TSA</b> <b>Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic</b>	
<i>Escherichia coli</i> ATCC® 25922™	No growth or 0.5 – 2 mm orange colonies.

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