

## ENDO AGAR

Medium for coliforms detection, enumeration and confirmation test.

TYPICAL FORMULA	(g/l)
Peptone	10.0
Potassium Phosphate Bibasic	2.5
Sodium Sulphite	2.5
Lactose	10.0
Fuchsin	0.5
Agar	15.0
Final pH 7.5 ± 0.2	

### DESCRIPTION

ENDO AGAR is a medium for coliforms detection, enumeration and confirmation test.

### PRINCIPLE

Peptone provides nitrogen and carbon for general growth requirements. Lactose is the fermentable carbohydrate. Potassium phosphate maintains the osmotic balance of the medium. Fuchsin is a stain. Agar is the solidifying agent.

### TECHNIQUE

Streak the sample to examine onto the entire surface of the medium using a sterile loop. Incubate at 36±1°C for 18-24 hours.

### INTERPRETATION OF RESULTS

Lactose fermenting coliforms give rise to deep red colonies which colour the surrounding medium and possess a green metallic sheen. Non-lactose fermenters form colorless translucent colonies, against the pink to colorless medium.

### STORAGE AND TRANSPORT CONDITIONS

2-8°C away from light, until the expiry date on the label. However, our stability studies have shown that the transport at 18-25°C for 4 days, or at 35-39°C for 48 hours, does not alter in any way the performance of the product. Eliminate if signs of deterioration or contamination are evident.

### WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for professional use only and must be used by properly trained operators.

### DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

### REFERENCES

1. Endo, S. (1904). Uber ein Verfahren zum Nachweis der Typhusbacillen. Centr. Bakt., Abt 1, Orig. 35:109-110.
2. American Public Health Association. (1975). Standard methods for the examination of water and wastewater, 14<sup>th</sup> ed.



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## PRODUCT SPECIFICATIONS

### NAME

ENDO AGAR

### PRESENTATION

Ready to use plates (90 mm) containing 22+/-1 ml of medium

### STORAGE

2-8°C

### PACKAGING

Ref.	Content	Packaging
10010	20 plates	<ul style="list-style-type: none"> <li>• 10 plates in thermally soldered film</li> <li>• 2 x 10 plates in cardboard box</li> </ul>

### pH OF THE MEDIUM

7.5 ± 0.2

### USE

ENDO AGAR is a medium for coliforms detection, enumeration and confirmation test

### TECHNIQUE

Refer to technical sheet of the product

### APPEARANCE OF THE MEDIUM

Pink medium, slightly opalescent

### SHELFLIFE

4 months

### QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control  
7 days at 22 ± 1°C, in aerobiosis  
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control  
Inoculum for productivity: 10-100 CFU/ml  
Inoculum for selectivity: 10<sup>4</sup>-10<sup>5</sup> CFU/ml  
Inoculum for specificity: ≤10<sup>4</sup> CFU/ml  
Incubation Conditions: 18-24 hours at 36 ± 1°C

#### Microorganism

*Escherichia coli* ATCC 25922  
*Salmonella typhimurium* ATCC 14028  
*Staphylococcus aureus* ATCC 25923










#### Growth

Good  
Good  
inhibited

#### Color

Red colonies with green metallic sheen  
Colorless to pink colonies  
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### TABLE OF SYMBOLS

 LOT	Batch code		Do not reuse		Manufacturer		Use by		Fragile, handle with care
 REF	Catalogue number		Temperature limitation		Contains sufficient for <n> tests		Caution, consult instructions for use		



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