

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.

PREPARATION

Melt the content of the bottle in a boiling water-bath at 100°C (loosing the caps partially unscrewed) until completely dissolved. Cool to 45-50°C, evenly disperse the precipitate, and aseptically distribute into Petri dishes. Allow the medium to solidify. Store the plates in tightly closed containers.

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

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to 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, 14th ed.



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PRODUCT SPECIFICATIONS

NAME

ENDO AGAR

PRESENTATION

Glass bottles containing 100 ml of medium (ref. 403010).

STORAGE

10-25°C

PACKAGING

Code	Content	Packaging
403010	6 bottles x 100 ml	6 bottles in cardboard box

pH OF 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.

SHELF LIFE

2 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Inoculum for selectivity: 10⁴-10⁵ UFC/ml
Inoculum for specificity: ≤ 10⁴ UFC/ml
Incubation conditions: 18-24 h at 36 ± 1°C

Microorganism		Growth	Color
<i>Escherichia coli</i>	ATCC 25922	good	Red colonies with green metallic sheen
<i>Salmonella typhimurium</i>	ATCC 14028	good	Colorless to pink colonies
<i>Staphylococcus aureus</i>	ATCC 25923	inhibited	

TABLE OF SYMBOLS

IVD In Vitro Diagnostic Medical Device	 Do not reuse	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation
REF Catalogue number	 Fragile, handle with care	 Use by	 Caution, consult accompanying documents	LOT Batch code



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