

ENDO AGAR

INTENDED USE:

Endo Agar is a slightly selective and differential medium for the isolation, cultivation and differentiation of gram-negative microorganisms from both clinical and nonclinical specimens.

PRINCIPLE AND INTERPRETATION:

Endo Agar is a long established medium which was originally devised for the isolation of the typhoid bacillus. More reliable media for this purpose have since been evolved, and the medium is now used for the differentiation of lactose fermenting and non-lactose fermenting intestinal organisms, particularly during confirmation of the presumptive test for coliforms. Production of both acid and aldehyde by lactose fermenting organisms, such as *Escherichia coli*, gives rise to the characteristic red coloration of the colony and the surrounding medium.

COMPOSITION:

Ingredients	Gr/Liter
Peptone	10 gr
Lactose	10 gr
Di-potassium phosphate	3,5 gr
Sodium sulphite	2,5 gr
Basic fuchsin	0,6 gr
Agar	10 gr

***Formula adjusted, standardized to suit performance parameters

pH: 7,4 ± 0,2

PRECAUTIONS:

For professional use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

TEST PROCEDURE:

- 1- Streak the plates for isolation using 5-h broth cultures diluted to yield 10³-10⁴ CFU/plate.
- 2- Incubate plates at 35 ± 2°C in an aerobic atmosphere.
- 3- Examine plates after 24-48 h for amount of growth, colony size, pigmentation and selectivity.

QUALITY CONTROL:**1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,4 ± 0,2

Apperance: Clear and pale pink

3.Microbiological Control: Incubation at 35±2 °C during 24-48 h

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
<i>Escherichia coli</i> ATCC 8739	10-100	Good	Reddish
<i>Salmonella typhimurium</i> ATCC 14028	10-100	Good	Colourless
<i>Enterococcus faecalis</i> ATCC 29212	100-1000	Inhibition	-

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2 - 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

DISPOSAL:

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

PACKAGING:

Katalog Number: 02027

Packaging: Single wrap

Content: 10 plates/each package

REFERENCES:

1. Endo, S. 1904. Ueber ein verfahren zum nachweis der typhusbacillen. Centr. f. bakt. 35:109-110.
2. Levin, M., and H.W. Schoenlein. 1930. A compilation of culture media for the cultivation of microorganisms. The Williams & Wilkins Company, Baltimore.
3. Wehr, H.M. and J.H. Frank (ed.). 2004. Standard methods for the examination of dairy products, 17th ed. American Public Health Association, Washington, D.C.
4. Downes, F.P. and K. Ito (ed.). 2001. Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.
5. Clesceri, L.S., A.E. Greenberg, and A.D. Eaton (ed.). 1998. Standard methods for the examination of water and wastewater, 20th ed. American Public Health Association, Washington, D.C.
6. National Committee for Clinical Laboratory Standards. 2001. Approved Guideline M29-A2. Protection of laboratory workers from occupationally acquired infections, 2nd ed. NCCLS, Wayne, PA.



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature
Limitation



Do not reuse



Contains sufficient
for <n> tests



Look at user manual



Manufacturer