Endo Agar
(Lactose Fuchsin Sulfite Agar)

TN1130 500 g

Intended use
Used for the detection and isolation of Enterobacteriaceae. No IVD - The laboratory diagnostic testing of human samples has not been evaluated.

Form
Powder

Colour
Violett

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
5 years

Directions
Suspend 34.6 g in 1 litre distilled water and heat until completely dissolved. Keep in steam heater for 40 minutes at 100 °C. Do not autoclave!

Typical composition (g/l)

Pancreatic peptone (meat, gelatin)	7.7
Yeast extract	2.3
Lactose	10.0
Dipotassium hydrogen phosphate	3.0
Potassium dihydrogen phosphate	0.5
New fuchsin	0.15
Sodium sulfite	1.0
Agar	10.0

Final pH at 25 °C
7.5 ± 0.2

Microbiological quality control
Incubation: aeobically, 20-28 h at 36 ± 1°C

Test strain	CFU / plate	Recovery rate in % *)	Colony morphology
Escherichia coli ATCC 25922 / WDCM 00013	80-120	≥ 50 %	dark-red colonies
Escherichia coli ATCC 10536	80-120	≥ 50 %	dark-red colonies
Escherichia coli O157:H7 ATCC 35150	80-120	≥ 50 %	dark-red colonies
Escherichia coli ATCC 8739 / WDCM 00012	80-120	≥ 50 %	dark-red colonies with green metallic sheen
Escherichia coli O157:H7 ATCC 700728 / WDCM 00014	80-120	≥ 50 %	dark-red colonies with green metallic sheen
Salmonella Typhimurium ATCC 14028 / WDCM 00031	80-120	≥ 50 %	colourless colonies
*Proteus mirabilis** ATCC 29906 / WDCM 00023	80-120	≥ 50 %	colourless swarming colonies
Shigella flexneri ATCC 29929	80-120	≥ 50 %	colourless colonies
Klebsiella pneumoniae ATCC 13883 / WDCM 00097	80-120	≥ 50 %	red to reddish, hemispherical slimy colonies
Enterobacter cloacae ATCC 13047 / WDCM 00083	80-120	≥ 50 %	red to reddish, hemispherical slimy colonies
Staphylococcus aureus ATCC 25923 / WDCM 00034	10^4-10^6	≤ 0,1 %	n.a.

*) Reference medium used: CASO Agar
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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