Endo-Agar

M&S item numbers: 4040 (25 x 20 ml) and 5030 (4 x 250 ml)

Application range: Endo-Agar is used for the detection of *Escherichia coli* and other coliform bacteria from water, wastewater and other samples. The formulation is modified acc. to “Standard Methods for the Examination of Water and Wastewater” (1992).

Formulation: (typical)

Peptone	10.0 g/l
Lactose	10.0 g/l
Dipotassiumhydrogenphosphate	2.5 g/l
Sodiumsulfite	3.3 g/l
Fuchsin	0.3 g/l
Agar	12.0 g/l
pH 7.4 ± 0.2	
Color	pink

Storage: Dark and dry at 4 – 8 °C

Description: Gram positive bacteria are inhibited by fuchsin and sodium sulfite, whereas gram-negative organisms show good growth. Bacteria that are able to metabolize Lactose develop red to dark red colonies due to the presence of fuchsin. For most of the *E. coli* strains this reaction is so intense that the fuchsin is crystallized giving the typical green metallic sheen.

Typical growth: Incubation at 37 ± 1 °C for 21 ± 3 hours

Microorganisms	Growth	Colony apprearance
Escherichia coli	very good	dark red with green metallic sheen
Enterobacter aerogenes	very good	red to dark red
Pseudomonas aeruginosa	good	pale
Staphylococcus aureus	no	-

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