

FluoroBio® ECD

A selective and differential medium for the detection of *Escherichia coli* by a fluorogenic procedure.

Dehydrated media	
Code number:	500 g: EDM20500, 5 kg: EDM25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 – 7,2

Direction: Suspend **51 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 115 °C for 15 minutes. Mix well before pouring.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: EDM30100, 500 ml: EDM30500
Plated media:	55 mm: EDM50055, 90 mm: EDM50090
Colour:	Yellowish
pH (25 °C):	6,9 – 7,1

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	20,0
Bile salts	1,5
Tryptophan	1,0
Lactose	5,0
Sodium chloride	5,0
MUG	0,1
Buffers	5,4
Agar	13,0

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good, fluorescence at 366 nm	
<i>Salmonella typhimurium</i>	ATCC 14028	Good	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: Hajna és Perry (1943) Am. J. Public. Health. 33: 550.
Kilian and Bulow (1984) Acta Path. Micr. Scand. Sect. B. 84: 245.

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