

ChromoBio® LMX

A selective and differential chromo- and fluorogenic medium for the detection of coliforms and differentiation of *E. coli* from other coliforms.

Dehydrated media	
Code number:	500 g: LMX20500, 5 kg: LMX25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,6 – 7,0

Direction: Suspend **17 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes. Cool quickly.

Prepared media	
Bottled media:	100 ml: LMX30100, 500 ml: LMX30500
Tubed media:	150 x 15 mm: LMX40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	6,7 – 6,9

Direction: Dispense the bottled media aseptically into sterile test tubes. Media in tubes are ready to use.

FORMULA in g/l

Peptones	5,00
Tryptophan	1,00
Sorbitol	1,00
Sodium chloride	5,00
Sodium lauryl sulphate	0,10
Chromo- and fluorogenic substrate	0,23
Buffers	4,70

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 and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality Control:

Incubation temp:	37 °C	Incubation time:	24 h	
Test strains		Colour change to blue	Fluorescence at 366 nm	Indole production
<i>Escherichia coli</i>	ATCC 25922	+	+	+
<i>Citrobacter freundii</i>	ATCC 8090	+	-	-
<i>Salmonella typhimurium</i>	ATCC 14028	-	-	-
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited		

References: Manafi and Kneifel (1989) Zentralbl. Hyg. 189: 225.

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