

ChromoBio® COLIFORM

A selective and differential chromogenic medium for the simultaneous detection of coliforms and *Escherichia coli* according to ISO 9308.

Dehydrated media	
Code number:	500 g: COF20500, 5 kg: COF25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	6,6 – 7,0

Direction for ChromoBio® Coliform: Suspend **30 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise at 100 °C (in water bath or flowing steam) for 30 minutes.

Direction for ChromoBio® Coliform ES: Dissolve the contents of **one vial of Coliform Selective Supplement (COS80004)** with 4 ml of sterile distilled water and add aseptically **to 500 ml of ChromoBio® Coliform** at 50 °C. Mix well before pouring.

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

Prepared media	
Bottled media:	100 ml: COF30100, 500 ml: COF30500
Plated ChromoBio® Coliform:	55 mm: COF50055, 90 mm: COF50090
Plated ChromoBio® Coliform ES:	55 mm: COF50055-EN, 90 mm: COF50090-EN
Colour:	Yellowish
pH (25 °C):	6,7 – 6,9

Direction: If necessary, supplement may be added to the bottled media bases according to the direction of the dehydrated media. Dispense aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Casein peptone	1,000
Yeast extract	2,000
Tryptophan	1,000
Sorbitol	1,000
Sodium chloride	5,000
Sodium pyruvate	1,000
6-chloro-3-indolyl-β-D-galactopyranoside	0,200
5-bromo-4-chloro-3-indolyl-β-D-glucuronide	0,100
Isopropyl-β-D-1-thiogalactopyranoside	0,100
Tergitol 7	0,150
Sodium phosphate dibasic	2,700
Sodium phosphate monobasic x 2H ₂ O	2,200
Cefsulodin - for ES only	0,005
Vancomycin - for ES only	0,005
Agar	13,550

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.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good, blue colonies	
<i>Citrobacter freundii</i>	ATCC 8090	Good, red colonies	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, colourless colonies	
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Inhibited (only in case of ES media)	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: Manafi and Kneifel (1989) Zentralbl. Hyg. 189: 225.
ISO 9308-1:2014/A1:2017; ISO 9308-1:2015

For professional use only!