

## 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	1,00
Yeast extract	2,00
Tryptophan	1,00
Sorbitol	1,00
Sodium chloride	5,00
Sodium pyruvate	1,00
6-chloro-3-indolyl-β-D-galactopyranoside	0,20
5-bromo-4-chloro-3-indolyl-β-D-glucuronide	0,10
Isopropyl-β-D-1-thiogalactopyranoside	0,10
Tergitol 7	0,15
Sodium phosphate dibasic	2,70
Sodium phosphate monobasic x 2H <sub>2</sub> O	2,20
Agar	13,55

**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, 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

**In vitro diagnostic – for professional use only!**