

## ChromoBio® M-CP BASE

A selective and differential chromogenic medium for the enumeration of *Clostridium perfringens* according to Directive of the Council of the European Union 98/83/EC.

Dehydrated media	
Code number:	500 g: MCP20500, 5 kg: MCP25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,4 – 7,8

**Direction for 100 ml agar:** Suspend **7,1 g** in 100 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of M-CP Chromogenic Supplement (MCC80004-01)** and **one vial of M-CP Selective Supplement (MPS80004-01)** both reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

**Direction for 500 ml agar:** Suspend **35,5 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of M-CP Chromogenic Supplement (MCC80004-02)** and **one vial of M-CP Selective Supplement (MPS80004-02)** both reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: MCP30100, 500 ml: MCP30500
Plated media:	55 mm: MCP50055, 90 mm: MCP50090
Colour:	Purple
pH (25 °C):	7,5 – 7,7

**Direction:** Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA OF COMPLETE MEDIUM in g/l

Tryptose	30,000
Yeast extract	20,000
L-Cysteine HCl	1,000
Sucrose	5,000
Iron (III) chloride x 6 H <sub>2</sub> O	0,090
Magnesium sulphate, anhydrous	0,048
Indoxyl-β-glucoside	0,060
Phenolphthalein diphosphate	0,025
Bromocresol purple	0,040
Agar	14,737

**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, but no longer than 2 or 3 days. Use before the expiry date on the label.

#### Quality control:

Test strains	Incubation temp: 44 °C	Growth	Incubation time: 48 h
<i>Clostridium perfringens</i> ATCC 13124		Good, yellow, phosphatase positive colonies (under anaerobic conditions)	
<i>Escherichia coli</i> ATCC 25922		Inhibited	

**References:** ISO 6461-1:1986, ISO 6461-2:1986

**For professional use only!**