

ChromoBio® MRSA

A selective and differential chromogenic medium for isolation and differentiation of methicillin-resistant *Staphylococcus aureus* (MRSA).

Dehydrated media	
Code number:	500 g: CMR20500, 5 kg: CMR25000
Packaging of 500 g	500 g agar base + 10 vials selective supplement
Packaging of 5000 g	5 kg agar base + 100 vials selective supplement
Appearance of agar base:	Yellowish, homogeneous hygroscopic powder
Appearance of supplement:	White, homogeneous lyophilisate
pH before autoclaving (25 °C):	6,8 - 7,2

Direction: Suspend **50 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Cool to 50 °C and add aseptically the contents of **one vial of MRSA Selective Supplement** reconstituted with 4 ml sterile distilled water. Mix well before pouring.

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

Bottled media	
Code number:	100 ml: CMR30100, 500 ml: CMR30500
Packaging of 100 ml bottled media:	100 ml agar base + 1 vial selective supplement
Packaging of 500 ml bottled media:	500 ml agar base + 1 vial selective supplement
Appearance of agar base:	Orange-red, transparent gel
Appearance of supplement:	White, homogeneous lyophilisate
pH (25 °C):	6,9 - 7,1

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes.

Plated media	
Code number:	55 mm: CMR50055, 90 mm: CMR50090
Appearance of plated media:	Orange-red, transparent gel
pH (25 °C):	6,9 - 7,1

Direction: Media in Petri-dishes are ready to use.

FORMULA FOR ONE LITRE OF COMPLETE MEDIUM in g/l

Nutrient mixture (peptones, extracts)	40,000
Salts	25,000
Growth promoters	15,000
Chromogenic mixture	5,000
Cefoxitin	0,004
Agar	15,000

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 supplements and 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: 48 h
<i>Staphylococcus aureus</i> (MRSA) ATCC 33592		Good, green colonies with yellow halo	
<i>Staphylococcus aureus</i> ATCC 29213		Inhibited	
<i>Staphylococcus epidermidis</i> ATCC 12228		Inhibited, blue colonies	
<i>Escherichia coli</i> ATCC 25922		Inhibited	
<i>Enterococcus faecalis</i> ATCC 29212		Inhibited	
<i>Candida albicans</i> ATCC 10231		Inhibited	

In vitro diagnostic – for professional use only!