

ChromoBio® SALMONELLA PLUS

A selective and differential chromogenic medium for the detection of *Salmonella* spp. Comparing with ChromoBio® Salmonella the medium has increased selectivity (especially inhibits *E. coli* efficiently).

Dehydrated media	
Code number:	500 g: SAP20500, 5 kg: SAP25000
Packaging of 500 g	500 g agar base + 20 vials selective supplement
Packaging of 5 kg	5 kg agar base + 200 vials selective supplement
Appearance of agar base:	Yellowish, homogeneous hygroscopic powder
Appearance of supplement:	White, homogeneous lyophilisate
pH before autoclaving (25 °C):	7,2 - 7,6

Direction: Suspend **25 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 Salmonella Selective Supplement** reconstituted with 4 ml acetone. Mix well before pouring.

Bottled media	
Code number:	100 ml: SAP30100, 500 ml: SAP30500
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:	White, opaque gel
Appearance of supplement:	White, homogeneous lyophilisate
pH (25 °C):	7,3 - 7,5

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: SAP50055, 90 mm: SAP50090
Appearance of plated media:	White, opaque gel
pH (25 °C):	7,3 - 7,5

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

FORMULA FOR ONE LITRE OF COMPLETE MEDIUM in g/l

Nutrient mixture (peptones, extracts)	30,00
Bile salts No.3	1,5
Sodium chloride	5,0
Chromogenic mixture	0,3
Selective supplement	0,2
Specific <i>E. coli</i> selective supplement	1,0
Agar	12,0

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: 24 h
<i>Salmonella typhimurium</i>	ATCC 14028	Good, mauve colonies	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Inhibited	
<i>Proteus mirabilis</i>	ATCC 29906	Inhibited	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

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