

CHROMagar™ Salmonella Plus

Chromogenic medium for the isolation of *Salmonella* species including *S. Typhi* and lactose positive *Salmonella*.

This medium meets the ISO 6579 : 2002 ISO norm.

article number 5000ml bottle : SA162

NT-EXT-024
Version 6

STORAGE Store the powder at 15/30°C until the shelflife date indicated on the label.

COMPOSITION in g/L Agar 15,0 ; Peptone and yeast extract 8,0 ; Salts 8,5 ; Chromogenic mix 1,3 ; Supplement 6,0. pH : 7,6 +/- 0,2 (Classical formula adjusted and/or supplemented as required to meet performance criteria).

PREPARATION For pre-weighed dose of medium, add dry powder to the corresponding volume of purified water. Alternatively, suspend the medium in the proportion of 32,8 g/L of purified water. Disperse the powder slowly in water by rotating for swelling of the agar. Add the LIQUID content of the supplement vial in the proportion of 6 g/L. Swirl for mixing. Heat and bring to boiling (100°C) while swirling or stirring regularly. If using an autoclave, do so without pressure. DO NOT HEAT TO MORE THAN 100°C. The mixture may also be brought to a boil in a microwave oven: after initial boiling, remove from oven, stir gently, then return to oven for short repeated bursts of heating until complete fusion of the agar grains has taken place (large bubbles replacing foam). Cool in a water bath to 45/50°C.

Note 1 : in order to obtain a white opaque background, reconstitute the white opaque supplement in the proportion of 1 g/L in purified water at v/100 (10 ml for one liter of final media), heat and bring to boiling (100°C). Cool in a water bath to 45/50°C. Swirl or stir to homogenise and then add to the melted base.

Swirl or stir gently to homogenise. Pour into sterile Petri dishes or tubes and allow to gel and dry.

Note 2 : in case of product samples containing a high load of *Pseudomonas* and/or *Aeromonas*, Cefsulodin can be added at 5 mg/L.

Store in the dark. Prepared media plates can be kept for one day at ambient temperature. Plates can be stored for up to two weeks under refrigeration (2/8°C) if properly prepared and protected from light and dehydration.

INOCULATION If the agar plate has been refrigerated, allow to warm to room temperature before inoculation. Streak sample onto plate and incubate at 37°C for 18-24 hours.

INTERPRETATION

Microorganism → **Typical colony appearance**

Salmonella (including *S. Typhi*, *S. Paratyphi A* and lactose positive *Salmonella*) → mauve

E. coli → colourless

Coliforms, etc. → blue

Proteus, etc. → colourless or inhibited

LIMITATIONS This medium has a very high sensitivity but some *Salmonella* Dublin may appear colourless, nevertheless *Salmonella* Dublin is a rarely encountered serovar. Some *E. coli* strains may develop a very slight mauve colouration. Some *Pseudomonas* may have similar mauve colony aspect and can be eliminated by an oxydase test. Final identification must be done by biochemistry and serology.

DISPOSAL OF WASTE After interpretation all plates should be destroyed by autoclaving at 121°C for at least 20 minutes.

English. For *In Vitro* Diagnostic use.

Laboratory product to be used only by trained personnel.

Available from CHROMagar :

CHROMagar™ Candida

Differentiation of major pathogenic *Candida* species

CHROMagar™ Orientation

Differentiation of urinary tract pathogens

Rambach™ Agar

Detection of *Salmonella* spp

CHROMagar™ Salmonella

Detection of *Salmonella* including *S. Typhi*

CHROMagar™ Salmonella Plus

Detection of *Salmonella* including *S. Typhi* and lactose positive

CHROMagar™ O157

Detection of *E. coli* O157

CHROMagar™ E. coli

Detection and enumeration of *E. coli*

CHROMagar™ ECC

Detection and enumeration of *E. coli* and coliforms

CHROMagar™ Liquid ECC

Broth for pad technique for *E. coli*-coliforms

CHROMagar™ Staph aureus

Detection and enumeration of *Staphylococcus aureus*

CHROMagar™ MRSA

Detection of MRSA including low level MRSA

CHROMagar™ Listeria

Detection and enumeration of *Listeria monocytogenes*

CHROMagar™ Vibrio

Detection and enumeration of *Vibrio parahaemolyticus*, *Vibrio vulnificus* and *Vibrio cholerae*

CHROMagar™, AquaCHROM™ and Rambach™ are trademarks of Dr. A. Rambach

Visit CHROMagar on internet via <http://www.chromagar.com>

CHROMagar
Microbiology

4, place du 18 Juin 1940

75006 Paris France

Fax: (33-1) 45 48 06 06

NT-EXT-024	Version 6
------------	-----------