Rambach™ Agar

Chromogenic medium for detection and isolation of Salmonella

NT-EXT-044
Version 2 07-Feb-11

article number RR701 : 4x1000 ml pack
article number RR703 : bulk size

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

COMPOSITION in g/L Opaque agar 20.0; Propylene glycol,10.4; Peptones and yeast extract 8.0; Chromogenic and selective mix 2.7; pH : 7.1 +/- 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 30.7 g/L of purified water. Disperse powder slowly in water by rotating for swelling of the agar. Add the LIQUID content of the supplement vial in the proportion of 10.4 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.

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

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 24 hours.

INTERPRETATION This selective medium is inhibitory for many microorganisms other than *Salmonella*.

Microorganism	→ **Typical colony appearance**
Salmonella	→ red
Many coliforms	→ blue or violet
Proteus, etc.	→ colourless

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.

BIBLIOGRAPHY

Wallace, J.S. and K. Jones. 1996. The Use of Selective and Differential Agars in the Isolation of E.coli O157 from dairy herds. J. Appl. Bacteriol. 81: 663-668

Wallace, J.S. et al. 1997. Isolation of Vero cytotoxin-producing E.coli O157 from wild birds. J. Appl. Bacteriol. 82: 399-404

Bettelheim K.A.1998. Reliability of CHROMagar O157 for the Detection of Enterohaemorrhagic E.coli (EHEC) O157 but not EHEC Belonging to Other Serogroups. J. Appl. Microbiol. 85: 425-428

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™ 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*

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