

## CHROMagar™ Staph aureus

### Chromogenic medium for the isolation of *Staphylococcus aureus*

NT-EXT-005
Version 7

article number TA670 : 1000 ml bottle  
article number TA672 : 5000 ml bottle

**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 40.0; Salts 25.0 ; Chromogenic mix 2.5; pH : 6.9 +/- 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 82.5 g/L of purified water. Disperse powder slowly in water by rotating for swelling of the agar. 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 18-24 hours.

### INTERPRETATION

#### Microorganism → Typical colony appearance

*S. aureus* → pink to mauve  
Other bacteria → inhibited, colourless, blue

**Note:** direct detection of MRSA can be obtained using a new selective medium called **CHROMagar™ MRSA**.

**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

Gaillot, O. *et al.* 2000. Evaluation of CHROMagar Staph aureus, a New Chromogenic Medium, for Isolation and Presumptive Identification of *Staphylococcus aureus* from Human Clinical Specimens. J. Clinical Microbiology. 38: 1587-1591.

Freydière, A.M. *et al.* 2001. Performance of the Chromogenic Medium CHROMagar Staph aureus and the Staphylochrom Coagulase Test in the Detection and Identification of *Staphylococcus aureus* in Clinical Specimens. J. Clinical Microbiology. 39: 2581-2583.

Samra, Z. *et al.* 2004. Optimal Detection of *Staphylococcus aureus* from clinical specimens using a new chromogenic medium. Diag. Microbioloy and Infectious Diseases. 49: 243-247.

#### 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* according to the ISO 6579:2002 norm

**CHROMagar™ O157**  
Detection of *E.coli* O157

**CHROMagar™ E.coli**  
Detection and enumeration of *E.coli*

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**CHROMagar™ Liquid ECC**  
Broth for pad technique for *E.coli*-coliforms

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Detection of MRSA including low level MRSA

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Detection and enumeration of *Listeria monocytogenes*

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

**CHROMagar™ VRE**  
Detection of *E.faecium* VRE & *E.faecalis* VRE

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