

# CHROMAGAR S. AUREUS

**INTENDED USE:**

Chromogenic medium for isolation and direct differentiation of *Staphylococcus aureus* in clinical and industrial samples

**PRINCIPLE AND INTERPRETATION:**

Food Industry: Human beings are the main reservoir of *S.aureus*. A carrier contaminates the surrounding environment when coughing, sneezing and by touching food with a hand having a staphylococcus-infected lesion. It is often found in the environment and on food preparation surfaces and also in certain uncooked foods (dairy products, salads, sandwiches...). It is important to check the presence of *S.aureus* before and after the foodstuff sterilisation process.

Clinical relevance: *S.aureus* is the leading cause of skin and soft tissue infections and can also cause serious infections such as bloodstream infections, pneumonia, or bone and joint infections.

**COMPOSITION:**

Ingredients	Gr/Liter
Peptone and yeast extract	40 gr
Chromogenic mix	2,5 gr
Salts	25 gr
Agar	15 gr

\*\*\*Formula adjusted, standardized to suit performance parameters

pH: 6,9 ± 0,2

**PRECAUTIONS:**

For professional use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

**TEST PROCEDURE:**

Related samples can be processed by direct streaking on the plate.

- If the agar plate has been refrigerated, allow to warm to room temperature before inoculation.
- Streak sample onto plate
- Incubate at 37°C for 18-24h, in aerobic conditions.

**QUALITY CONTROL:****1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 6,9 ± 0,2

Apperance: Light amber

**3.Microbiological Control:** Incubation at 37 °C during 24 h.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
<i>Staphylococcus aureus</i> ATCC 25923	10-100	Growth	Pink to mauve
<i>Escherichia coli</i> ATCC 25922	100-1000	Inhibition	-
<i>Candida albicans</i> ATCC 10231	100-1000	Inhibition	-
<i>Enterococcus faecalis</i> ATCC 29212	100-1000	Inhibition	-

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2 - 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

**DISPOSAL:**

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

## PACKAGING:

**Katalog Number:** 02019

**Packaging:** Single wrap

**Content:** 10 plates/each package

## REFERENCES:

1-Evaluacion del nuevo medio cromogenico "CHROMagar Staph aureus" para identification presuntiva de S.aureus (Poster in spanish). 2004 Cerlana P. et al. 2004. Poster presented at XVII Congreso Latino-Americano y X Congreso Argentino de Microbiologia in Buenos aeres (Argentina).

2-Evaluation of CHROMagar Staph aureus, a new chromogenic medium, for isolation and presumptive identification of Staphylococcus aureus from human clinical specimens. 2001 Gaillot O. et al. 2001. Journal of Clinical Microbiology, 38 : 1587-1591.

3-Optimal detection of Staphylococcus aureus from clinical specimens using a new chromogenic medium. 2004 Samra Z., Ofir O., Bahar J. 2004. Diagnostic Microbiology and Infectious Disease, 49 : 243-247.

4-Use of a new chromogenic culture medium facilitates detection of Staphylococcus aureus in a screening program. 2003 Frei R. et al. 2003. Abstract presented at the Annual Meeting Swiss Society for Microbiology in Basel (Suisse).



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer