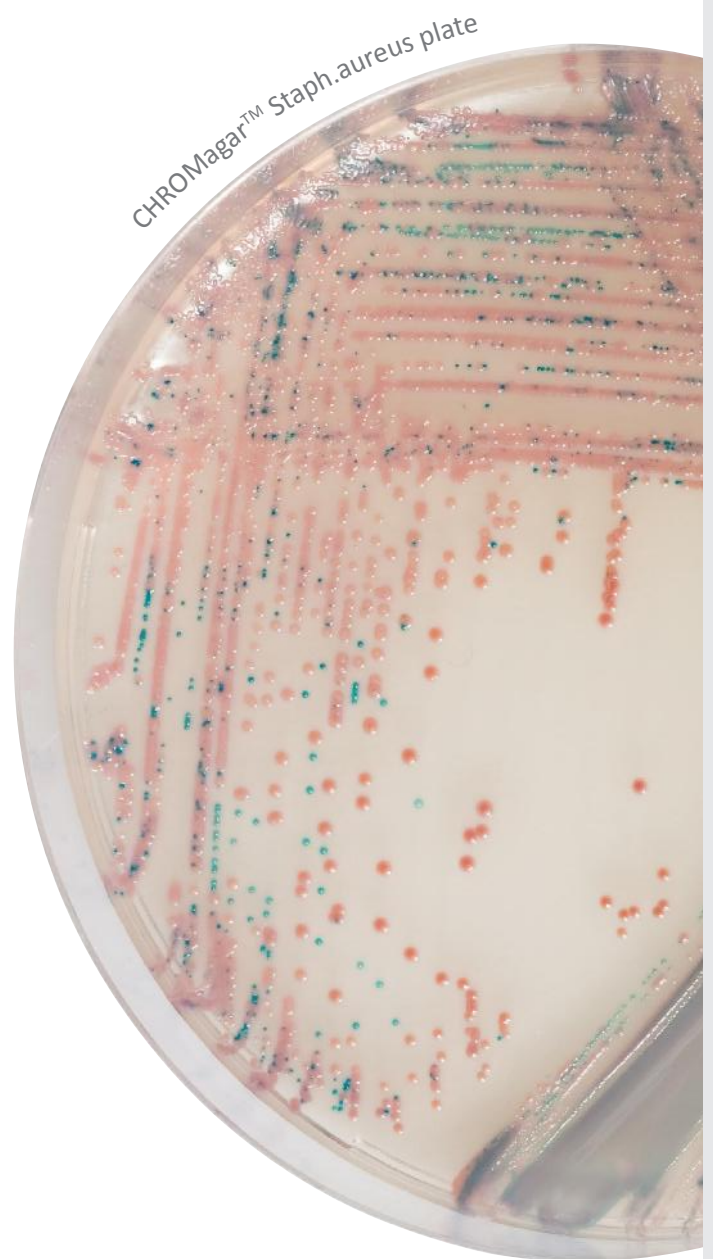


CHROMagar™ **Staph aureus**



MEDIUM PURPOSE

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

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

The product is composed of a single powder medium.

Product	=	Pack
Total g/L		82.5 g/L
Composition g/L		Agar 15.0 Peptone and yeast extract 40.0 Salts 25.0 Chromogenic mix 2.5
Aspect		Powder Form
STORAGE		15/30°C
FINAL MEDIA pH		6.9 +/- 0.2

PREPARATION (Calculation for 1L)

Step 1

Preparation

- Disperse slowly 82.5 g of powder base in 1L of purified water.
 - Stir until agar is well thickened.
 - Autoclave at 110°C during 5 min.
- DO NOT AUTOCLAVE AT 121°C. DO NOT HEAT LONGER THAN 5 MIN.

Step 2

Pouring

- Cool in a water bath to 45-50°C.
- Swirl or stir gently to homogenize.
- Pour medium into sterile Petri dishes.
- Let it solidify and dry.

Storage

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

INOCULATION

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.

Typical Samples

e.g. Clinical: wounds,
sputum
Industrial: Food stuff

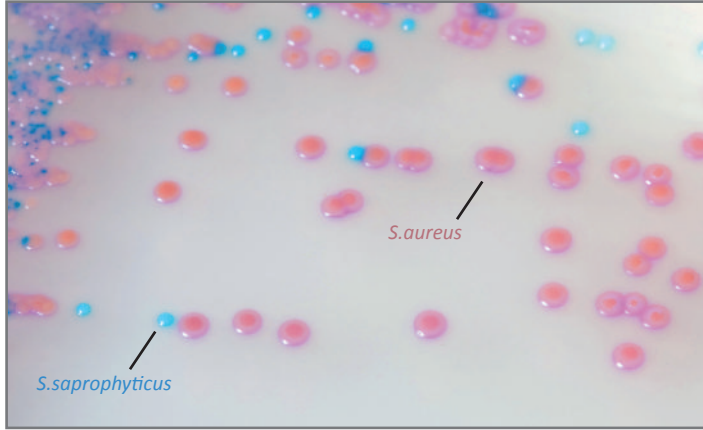
Direct streaking
or spreading technique

CHROMagar™ Staph aureus

INTERPRETATION

Microorganism	Typical colony appearance
<i>S.aureus</i>	→ pink to mauve
Other bacteria	→ inhibited, colourless, blue

Typical colony appearance



The pictures shown are not contractual.

PERFORMANCE & LIMITATIONS

• For *S.aureus* sensitivity is 95,5% and specificity is 99,4% (Gaillot *et al.* 2000).

Note: If you focus on direct detection of MRSA strains, it can be obtained using our selective medium called CHROMagar™ MRSA.

• Confirmation tests such as latex agglutination and catalase can be performed directly from the plates on suspected colonies.

QUALITY CONTROL

Please perform Quality Control according to the use of the medium and the local QC regulations and norms.

Good preparation of the medium can be tested, isolating the ATCC strains below:

Microorganism	Typical colony appearance
<i>S.aureus</i> ATCC® 25923	→ mauve
<i>S.saprophyticus</i> ATCC® 15305	→ turquoise blue
<i>E.coli</i> ATCC® 25922	→ inhibited
<i>C. albicans</i> ATCC® 10231	→ inhibited
<i>E. faecalis</i> ATCC® 29212	→ inhibited

WARNINGS

- Do not use plates if they show any evidence of contamination or any sign of deterioration.
- Do not use the product beyond its expiry date or if product shows any evidence of contamination or any sign of deterioration.
- For *in vitro* diagnostic use. This laboratory product should be used only by trained personnel in compliance with good laboratory practices.
- Any change or modification in the procedure may affect the results.
- Any change or modification of the required storage temperature may affect the performance of the product.
- Unappropriate storage may affect the shelf life of the product.
- Recap the bottles tightly after each preparation and keep them in a low humidity environment, protected from moisture and light.
- For a good microbial detection: collection and transport of specimen should be well handled and adapted to the particular specimen according to good laboratory practices.

DISPOSAL OF WASTE





After use, all plates and any other contaminated materials must be sterilized or disposed of by appropriate internal procedures and in accordance with local legislations. Plates can be destroyed by autoclaving at 121°C for at least 20 minutes.

REFERENCES

Please refer to our website page «Publications» for scientific publications about this particular product.

Web link: <http://www.chromagar.com/publication.php>

IFU/LABEL INDEX

-  Quantity of powder sufficient for X liters of media
-  Expiry date
-  Required storage temperature
-  Store away from humidity

Pack Size

1000 ml

50 Tests
of 20ml

=

Ordering References

TA670

Weight: 82.5gr

5000 ml

250 Tests
of 20ml

=

TA672

Weight: 412.5gr


Need some Technical Documents?

Available for download on www.CHROMagar.com

- Certificate of Analysis (CoA) --> One per Lot
- Material Safety Data Sheet (MSDS)

CHROMagar™ and Rambach™ are trademarks created by Dr A. Rambach
ATCC® is a registered trademark of the American Type Culture Collection
[NT-EXT-005.V9 / 09-Mars-15](mailto:NT-EXT-005.V9@09-Mars-15)

CHROMagar
The Chromogenic Media Pioneer

 CHROMagar 4 place du 18 juin 1940
75006 Paris - France
Email: CHROMagar@CHROMagar.com
Tel +33 (0)1.45.48.05.05. Website: www.CHROMagar.com

IVD

CE