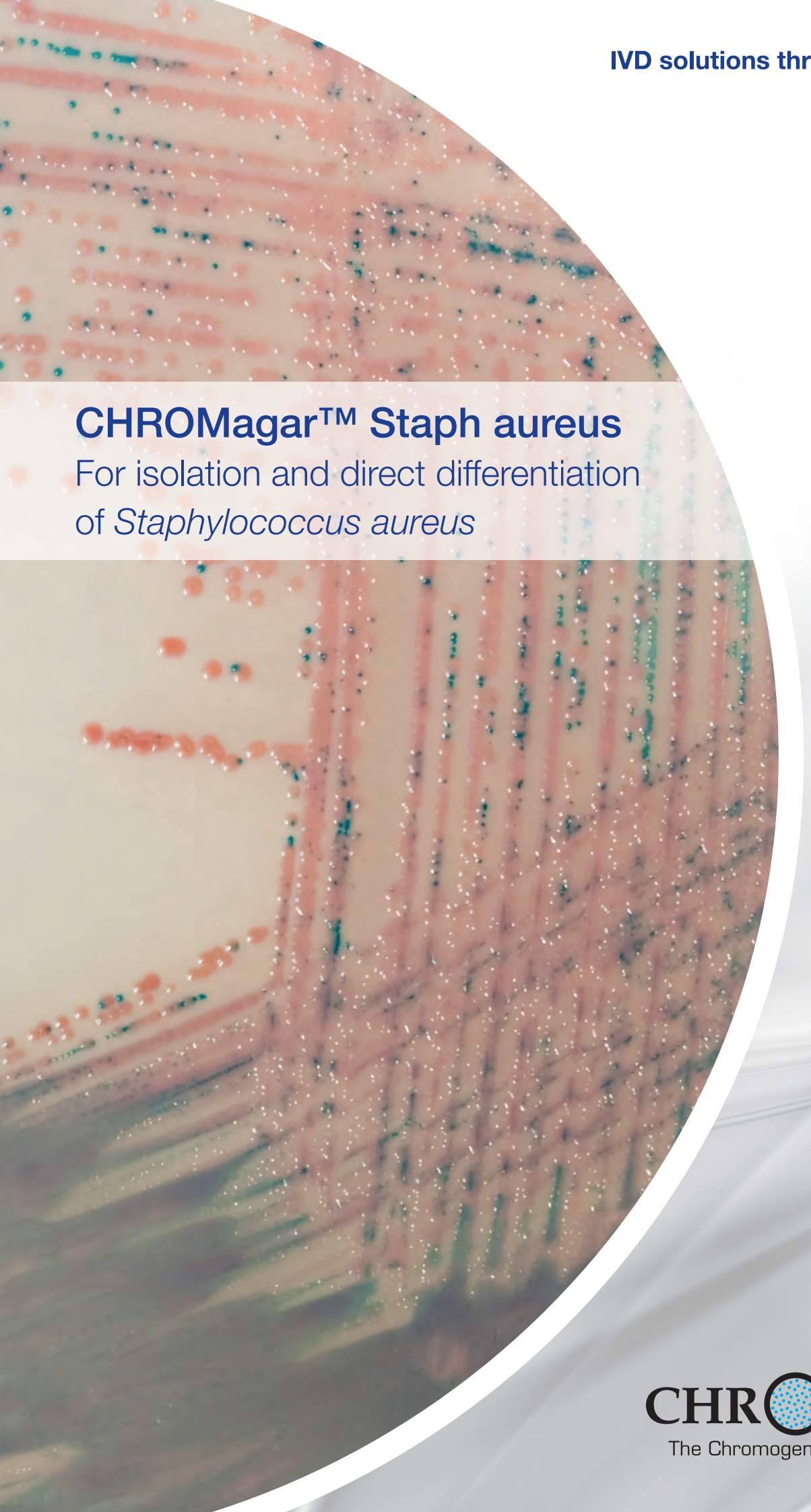
IVD solutions through partnership

Mast Group



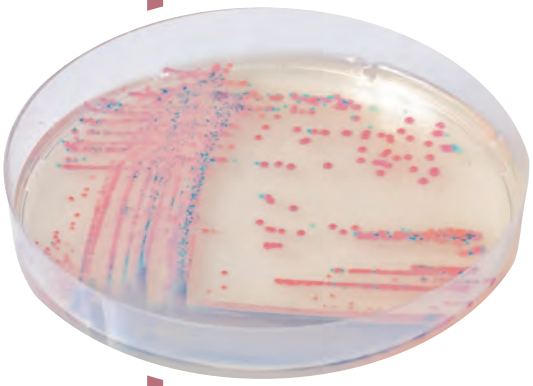
CHROMagar™ Staph aureus

For isolation and direct differentiation of *Staphylococcus aureus*

CHROMagar™

The Chromogenic Media Pioneer

CHROMagar™ Staph aureus



For isolation and direct differentiation of *Staphylococcus aureus* in clinical and industrial samples

Background

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. 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.

Medium Performance

Clinical application

1 **Easy to read**
compared to Blood Agar or Mannitol Salt Agar. CHROMagar™ Staph aureus allows easier differentiation of *S.aureus* colonies enhanced by a mauve colour and is of considerable help in identifying suspect colonies. Thus, it reduces the confirmatory workload.

2 **High sensitivity**

exceeds 99%*

*Specificity from scientific study: "Evaluation of CHROMagar Staph aureus, a new chromogenic medium, for isolation and presumptive identification of Staphylococcus aureus from human clinical specimens." Gaillot O. et al. ASM 2000.

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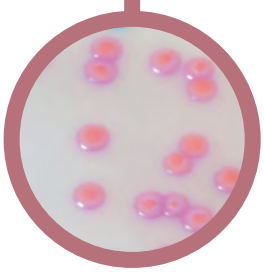
Food and environmental quality control

1 **Easy to prepare**
The conventional medium for *S.aureus* is the Baird-Parker which has to be supplemented with RPF (Rabbit Plasma Fibrinogen), rendering the plate manufacturing delicate and complex, and also reducing the shelf life of the poured plates to a couple of weeks. On the contrary, CHROMagar™ Staph aureus comes with all the compounds already in the agar (no need of any supplement) and remains stable.

1 **Fast**
The results on Baird Parker have to be read after 48h of incubation while with CHROMagar™ Staph aureus the results are available after only 24h.

Plate Reading

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



Medium Description

Powder Base	Total .....82.5 g/L Agar .....15.0 Peptone and Yeast extract .....40.0 Salts.....25.0 Chromogenic mix .....2.5 Storage at 15/30 °C - pH: 6.9 +/- 0.2 Shelf Life .....> 18 months

Usual Samples	Clinical: stools, nasal swab, skin, sputum, throat and wounds. Industrial: Food stuff
Procedure	Direct streaking. Incubate at 35-37 °C for 18-24 h. Aerobic conditions.
Scientific Publications on this product: available on www.CHROMagar.com Please read carefully the instructions for use (IFU document) available on www.CHROMagar.com	

IVD CE

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Ordering Information

Product	Order Code
CHROMagar™ Staph aureus dry media, 5 liter	15TA672
CHROMagar™ Staph aureus ready to use plates, 20 pcs.	201404