

Veterinary Microbiology

IVD solutions through partnership



CHROMagar™ Staphylococcus

For isolation and differentiation
of *Staphylococcus* spp.

CHR  **Magar™**
The Chromogenic Media Pioneer

● CHROMagar™ Staphylococcus

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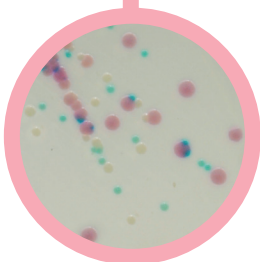
Background

Mastitis is a disease that causes major losses in dairy production. The most prevalent form of the disease is subclinical mastitis, which leads to decreased milk production and an increased risk of clinical mastitis during lactation. Controlling the spread of contagious subclinical mastitis by rapid identification of causing pathogens such as *Staphylococcus aureus* and other *Staphylococcus* species is fundamental for rapid control measures.

CHROMagar™ Staphylococcus is a selective and differential chromogenic medium for the qualitative direct detection and differentiation of *Staphylococcus* spp. In combination with CHROMagar™ Streptococcus and CHROMagar™ Mastitis GN, CHROMagar™ Staphylococcus becomes a powerful tool to aid in the detection of pathogens in milk samples. Results can be interpreted after 18-24 h of aerobic incubation at 35-37 °C.

Plate Reading

- *S. aureus*
→ pink to mauve
- *S. epidermidis*
→ colourless to pinkish
- *S. saprophyticus*
→ turquoise blue



Medium Performance

1 Easy to prepare

CHROMagar™ Staphylococcus comes with all compounds already included in the powder (no supplement needed), while the conventional medium for *Staphylococcus* spp., the Baird-Parker medium, must be supplemented with an emulsion of egg yolk and antibiotics after autoclaving, adding steps to plate manufacturing. CHROMagar™ Staphylococcus powder as well as the poured plates are stable for an extended shelflife period.

2 Fast and easy reading

The results on CHROMagar™ Staphylococcus plates are available already after 24 h, while results are read after 48 h of incubation on Baird-Parker plates. In addition, CHROMagar™ Staphylococcus enables direct differentiation of *Staphylococcus* species by coloration and prevents growth of the unwanted annex flora through an enhanced selectivity.

Medium Description

Powder Base	Total	87.4 g/L
	Agar	15.0
	Peptone and Yeast extract	40.0
	Salts.....	30.0
	Chromogenic mix	2.4
	Storage at 15-30 °C - pH: 7.3 +/- 0.2	
	Shelf Life	> 18 months

Usual Samples	Milk, surfaces
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

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Ordering Information

Product	Order Code
CHROMagar™ Staphylococcus dry media, 5 liter	15CQ382
CHROMagar™ Staphylococcus ready to use plates, 20 pcs.	201427