IVD solutions through partnership

Mast Group

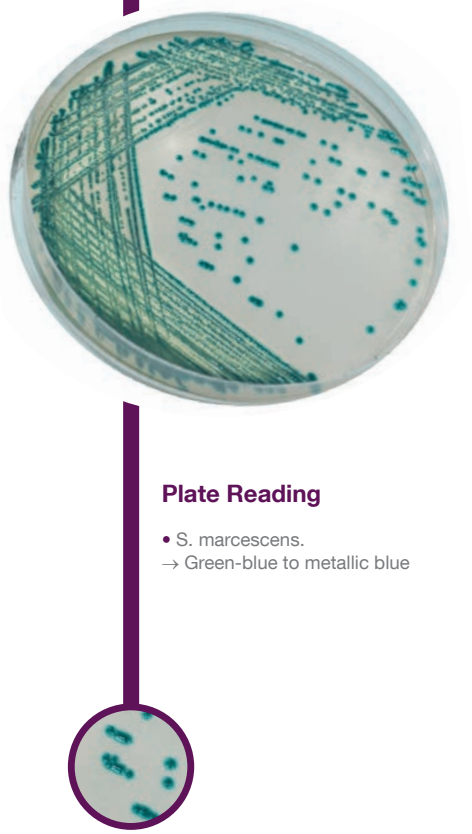
CHROMagar™ Serratia

For detection of *Serratia marcescens*

CHROMagar

The Chromogenic Media Pioneer

CHROMagar™ Serratia



For detection of *Serratia marcescens*

Background

Serratia species are implicated in nosocomial infections. In several countries, *Serratia marcescens* is frequently associated with epidemics in intensive care units and in particular in neonatal and pediatric units. Surveillance of nosocomial infections requires effective recovery of clinical isolates from faeces, wound exudates and respiratory samples to prevent problems of cross infection and potentially fatal infections. In addition, *S. marcescens* is able to survive days to months on surfaces, distilled water and hand soap, making it an important pathogen in nosocomial infections and sporadic epidemics.
In this context, CHROMagar™ has developed CHROMagar™ Serratia, a culture medium perfectly suited to the search for *S. marcescens* in faeces.

Plate Reading

• S. marcescens.
→ Green-blue to metallic blue

Medium Performance

1 **Reliable**
First commercially available chromogenic medium for *Serratia marcescens*.

2 **Very high sensitivity and selectivity**
Serratia marcescens: more than 97 %*.

* Data obtained from the study « Validation of Colorex™ (CHROMagar™) Serratia agar on WASP™/WASPLab™ in screening for Serratia marcescens in neonatal intensive care units using the ESwab™ » M. Gaskin, D. Yamamura, J. Korver, 2020

3 **High specificity and lower workload**
The conventional media for the detection of *Serratia marcescens* based on natural pigmentation has very poor specificity, creating an abundance of false negatives and false positives. Because of that, conventional media require tedious examination of all types of colonies per suspected sample. On the contrary, CHROMagar™ Serratia detect all Serratia (those pigmented or not) and allows technicians to focus on the real contaminated samples.

3 **Intense green-blue colouration for easy reading**
compared to conventional media (MacConkey, TSA ...).

3 **Fast results**
particularly useful in case of sudden outbreak of *Serratia marcescens.*

Medium Description

Powder Base +	Total .....42.5 g/L Agar .....15.0 Peptones ..... 20.0 Salt ..... 5.0 Growth factors..... 1.7 Chromogenic and selective mix .....0.8 Storage at 15/30 °C - pH: 7.0 +/-0.2 Shelf Life ..... > 18 months
Supplement (included in the pack)	Liquid form .....2 mL/L Storage at 15/30 °C Shelf Life ..... > 18 months

Usual Samples	Rectal swabs, surface swabs.
Procedure	Direct Streaking. Incubation 18-24h at 35-37 °C 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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LF-EXT-069

Manufacturer:
CHROMagar
4 place du 18 juin 1940 75006 Paris - France
e-mail: CHROMagar@CHROMagar.com
www.CHROMagar.com

Distributed by:
Mast Diagnostica GmbH
Feldstraße 20
DE-23858 Reinfeld

Tel: +49 (0)4533 2007 0
Fax: +49 (0)4533 2007 68
e-mail: mast@mast-diagnostica.de
www.mast-group.com

Ordering Information

Product	Order Code
CHROMagar™ Serratia dry media, 5 liter	15SM302
CHROMagar™ Serratia ready to use plates, 20 pcs.	201403