

● CHROMagar™
Serratia



For detection of *Serratia marcescens*



CHROMagar™
The Chromogenic Media Pioneer

CHROMagar™ Serratia

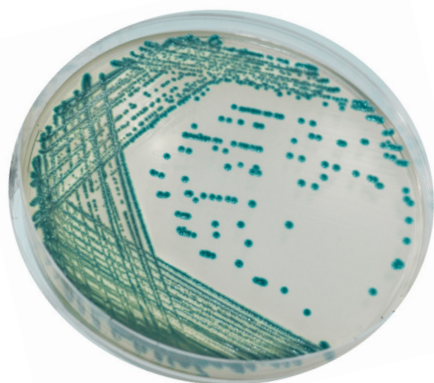
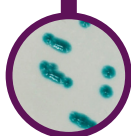


Plate Reading



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

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 this context, CHROMagar™ has developed CHROMagar™ Serratia, a culture medium perfectly suited to the search for *S. marcescens* in faeces.

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.

Medium Performance

- 1 **RELIABLE**
First commercially available chromogenic medium for *Serratia marcescens*.
- 2 **VERY HIGH SENSITIVITY AND SELECTIVITY**

* Data obtained from the study « Validation of Colorex™ (CHROMagar™) Serratia agar on WASP™/WAS-PLab™ 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 used for the detection of *S. marcescens* like MacConkey Agar has very poor specificity, creating an abundance of false positives. Because all lactose negative bacteria have a similar aspect than *S. marcescens*. On the contrary, CHROMagar™ Serratia detect all *Serratia* (those pigmented or not) and allows technicians to focus on the real contaminated samples.
- 4 **INTENSE GREEN-BLUE COLOURATION FOR EASY READING**
compared to conventional media (MacConkey, Blood Agar).
- 5 **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: 7.1 +/- 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 18-24 h at 35-37 °C Aerobic conditions.

