

IVD solutions through partnership



CHROMagar™ LIN-R

For detection and differentiation of
Gram (+) bacteria resistant to linezolid

A large, circular inset image showing a petri dish with a bacterial culture. The culture is divided into several distinct zones. The top zone shows a dense, blue-stained bacterial growth. Below this, there are several smaller, blue-stained colonies. The bottom zone shows a dense, red-stained bacterial growth. The background of the petri dish is a light, yellowish color.

CHR  **Magar**
The Chromogenic Media Pioneer

● CHROMagar™ LIN-R

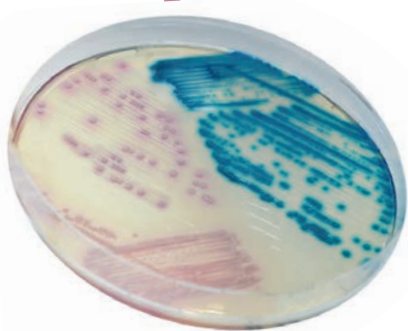
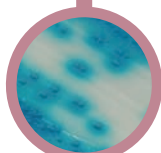
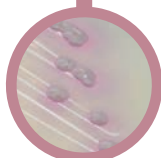


Plate Reading



• LZDR^R Enterococcus
→ Steel blue



• LZDR *S. aureus*,
S. epidermidis
→ Pink

For detection and differentiation of Gram (+) bacteria resistant to linezolid

Background

Gram (+) cocci pose a global threat to human health due to the emergence of resistance to antibiotics. Linezolid has a broad spectrum of activity against a variety of pathogenic Gram (+) microorganisms, such as MRSA, VRS, and VRE. However, the emergence of strains resistant to linezolid (LIN-R) and horizontal spread of resistance linked to the *cfr* gene, have been increasingly reported after approval of its clinical use.

Although the prevalence of linezolid resistance remains low, the emergence of LIN-R strains is still of great concern. Today, linezolid sensitivity in Gram (+) clinical specimens is primarily monitored by surveillance programs in Europe and in the United States. Clinical isolates for surveillance of LIN-R strains include swabs from the nose (for screening of *Staphylococcus*), perianal and rectal areas (for screening of *Enterococcus*).

CHROMagar™ LIN-R is a chromogenic screening medium for the detection, isolation and differentiation of strains of *Staphylococcus* and *Enterococcus* resistant to linezolid.

Medium Performance

- 1 **Highly sensitive**
Detection of MIC as low as 8 µg/mL.
- 2 **Directly from specimen**
- 3 **Easy interpretation**
Species identification by MALDI-TOF can be carried directly from a colony.
- 4 With experience, a trained eye can differentiate between *E. faecium* and *E. faecalis*, and between *S. aureus* and *S. epidermidis*.

Medium Description

Powder Base	Total	42.4 g/L
	Agar	15.0
	Peptones	12.0
	Salt	7.0
	Chromogenic mix	0.4
	Storage at 15/30°C - pH: 6.9 +/-0.2	
	Shelf Life	18 months
Supplement (included in the pack)	Liquid form	8 mL/L
	Storage at 15/30 °C	

Usual Samples	Stools and nasal, rectal and perianal swabs.
Procedure	Direct Streaking. Incubation 36-48h 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



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.mastgrp.com

Ordering Information

Product	Order Code
CHROMagar™ LIN-R dry media, 5 liter	15LN762
CHROMagar™ LIN-R ready to use plates, 20 pcs.	201476