

IVD solutions through partnership



CHROMagar™ C.difficile

For detection of *Clostridioides difficile*

● CHROMagar™ C.difficile

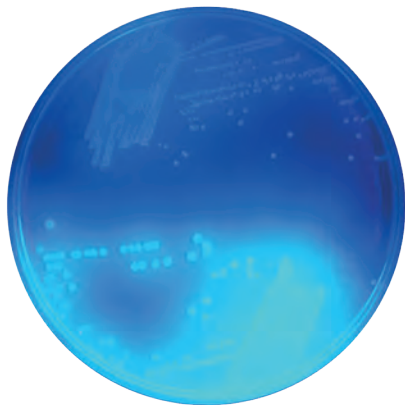
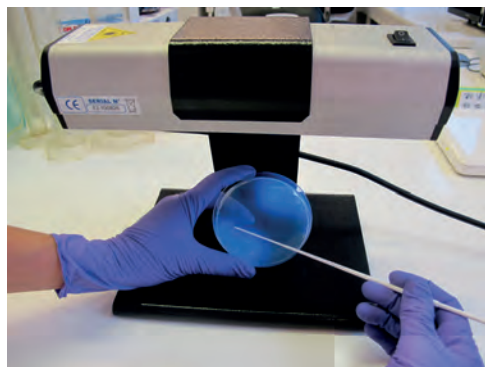


Plate Reading

- *C.difficile*
→ colourless and fluorescent under UV light at 365 nm
- Other bacteria
→ colourless, no fluorescent or inhibited



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

For detection of *Clostridioides difficile*

Background

C.difficile is the leading cause of nosocomial infectious diarrhea in adults. These infections occur mostly in patients who have both medical care and antibiotic treatment. The symptoms of *C.difficile* infection are fever, abdominal cramps and severe diarrhea leading to death. In the United States, nearly 250,000 people each year develop *C.difficile* infections with at least 14 000 deaths (CDC estimate, 2013). Due to the emergence of highly toxigenic *C.difficile* strains, these infections have become more frequent and more difficult to treat in the last years.

Although PCR has become the leading *C.difficile* detection technique, culture is essential for strain typing and antimicrobial susceptibility testing. CHROMagar™ C.difficile is a fluorogenic culture medium, extremely sensitive and selective, especially designed to simplify and speed up (24h) the culture of *C.difficile*.

1 Medium Performance

Rapid detection compared to traditional Media

Big colonies (around 2 mm) of *C.difficile* after only 24 h of incubation in anaerobic atmosphere, contrary to traditional media requiring 48 h.

2 High sensitivity and specificity

C.difficile is detected by characteristic fluorescent colonies (under UV light at 365 nm) and the specimen's flora largely inhibited.

Specificity / Sensitivity: ≈ 100%*

* Sensitivity from scientific studies: «Comparison of CHROMagar™ *C.difficile* and taurocholate-CCFA media for isolation of toxigenic *Clostridium difficile* from stools» Gaillot O. et al. ASM 2014.

3 Polyvalence

This medium can be used for clinical specimens as well as environmental samples.

Medium Description

Powder Base	Total	54.7 g/L
	Agar	15.0
	Peptones and yeast extract.....	25.0
	Salts	9.0
	Growth factors.....	4.0
	Chromogenic mix	1.7
	Storage at 15/30 °C - pH: 7.8 +/-0.2	
	Shelf Life	>18 months
+ Supplement (included in the pack)	Powder form	325 mg/L
	Storage at 2/8 °C	Shelf Life >12 months

Usual Samples	Stool
Procedure	Direct streaking or after an appropriate enrichment step of the sample. Incubation at 35-37 °C for 24 h. Anaerobic condition.

Scientific Publications on this product: available on www.CHROMagar.com
Please read carefully the instructions for use (IFU document) available on 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™ C.difficile dry media, 5 liter	15CD122
CHROMagar™ C.difficile ready to use plates, 20 pcs.	201408