

● Colorex™  
**C.difficile**



For detection of *Clostridium difficile*

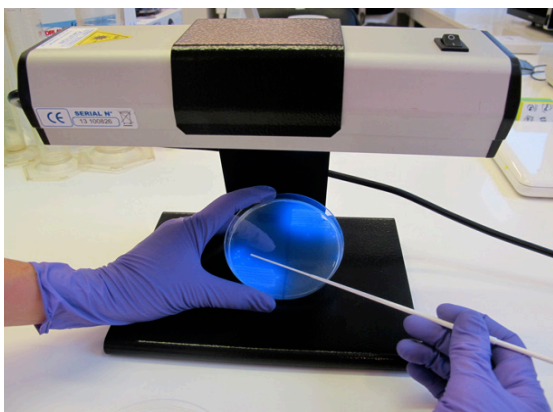
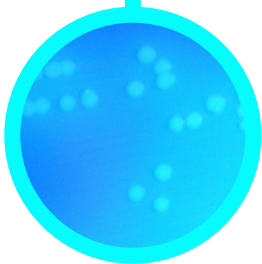
**Colorex™**

Ready to use plates made with the original CHROMagar powder base



### Plate Reading

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



## For detection of *Clostridium difficile*

### Background

*Clostridium 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. Colorex™ *C.difficile* is a fluorogenic culture medium, extremely sensitive and selective, especially designed to simplify and speed up (24h) the culture of *C. difficile*.

### Medium Performance

- 1 RAPID DETECTION COMPARED TO TRADITIONAL MEDIA**  
Big colonies (around 2mm) 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: Gaillot O. et al. 100 % (40/40), Van Broek et al. 100 % (95/95)
- 3 POLYVALENCE**  
This medium can be used for clinical specimens as well as environmental samples.

### Medium Description

<b>Powder Base</b>	Total .....	54.7 g/L
	Agar .....	15.0
<b>Supplement</b>	Peptone & 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 .....	2 years
	Powder form.....	325 mg/L
Storage at 2/8 °C	Shelf Life .....	2 years

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