

IVD solutions through partnership



CHROMagar™ *C. perfringens*

For isolation and enumeration of
C. perfringens

CHROMagar™
The Chromogenic Media Pioneer

● CHROMagar™ C. perfringens

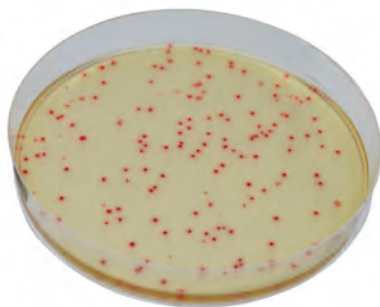


Plate Reading

- *C. perfringens*
→ orange
- *C. difficile*
→ blue
- Other bacteria
→ inhibited or blue or metallic blue

For isolation and direct differentiation of *C. perfringens*

Background

"*C. perfringens* is involved in food poisoning and animals' infections. Beef, poultry and dried or pre-cooked foods are common sources of *C. perfringens* infections. *C. perfringens* infection often occurs when foods are prepared in large quantities and kept warm for a long time before serving. Although *C. perfringens* may live normally in the human intestine, illness is caused by eating food contaminated with large numbers of *C. perfringens* bacteria that produce enough toxin in the intestines to cause illness. Everyone is susceptible to food poisoning from *C. perfringens*. The very young and elderly are most at risk of *C. perfringens* infection and can experience more severe symptoms that may last for 1 to 2 weeks. Complications, including dehydration, may occur in severe cases."¹
1 CDC - Centers for Disease Control and Prevention

CHROMagar™ C. perfringens allows the detection and enumeration of *Clostridium perfringens* in food and water samples. Specific and selective, this medium detects the *C. perfringens* colonies by an orange coloration, the other microorganisms being blue, metallic blue or inhibited.

Medium Performance

- 1 To be used with pouring or surface methods (by direct streaking, spreading or filtration technique) whereas with TSC medium bacteria have to be placed between two layers of agar in order to grow in black colonies.
- 2 Specific medium for clostridium perfringens while TSC medium detects sulfate-reducing bacteria, including the non pathogens.
- 3 The orange coloration makes the visualization very easy on the other hand, the spread of the colonies black color and the fact that they faint after a while in TSC medium (as described in the ISO 14189) makes the colony count difficult.

Medium Description

Powder Base	Total 50.9 g/L	
	Agar 15.0	
	Peptones and yeast extract 25.0	
	NaCl 6.0	
	Chromogenic and selective mix 1.4	
	Growth factors 3.5	
	Storage at 15/30 °C - pH: 7.6 +/-0.2	
	Shelf Life > 12 months	
+		
2 Supplements (included in the pack)	1. Powder 2 g/L	2. Powder 0.12 g/L
	Storage at 2/8 °C	Storage at 2/8 °C
	Shelf Life > 12 months	Shelf Life > 12 months

Usual samples	Industrial: Food, water, environmental samples
Procedure	Direct streaking. Incubation 24 h at 37 °C. Anaerobic 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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Ordering Information

Product	Order Code
CHROMagar™ C. perfringens dry media, 5 Liter	15PF652
CHROMagar™ C. perfringens ready to use plates, 20 pcs.	201428