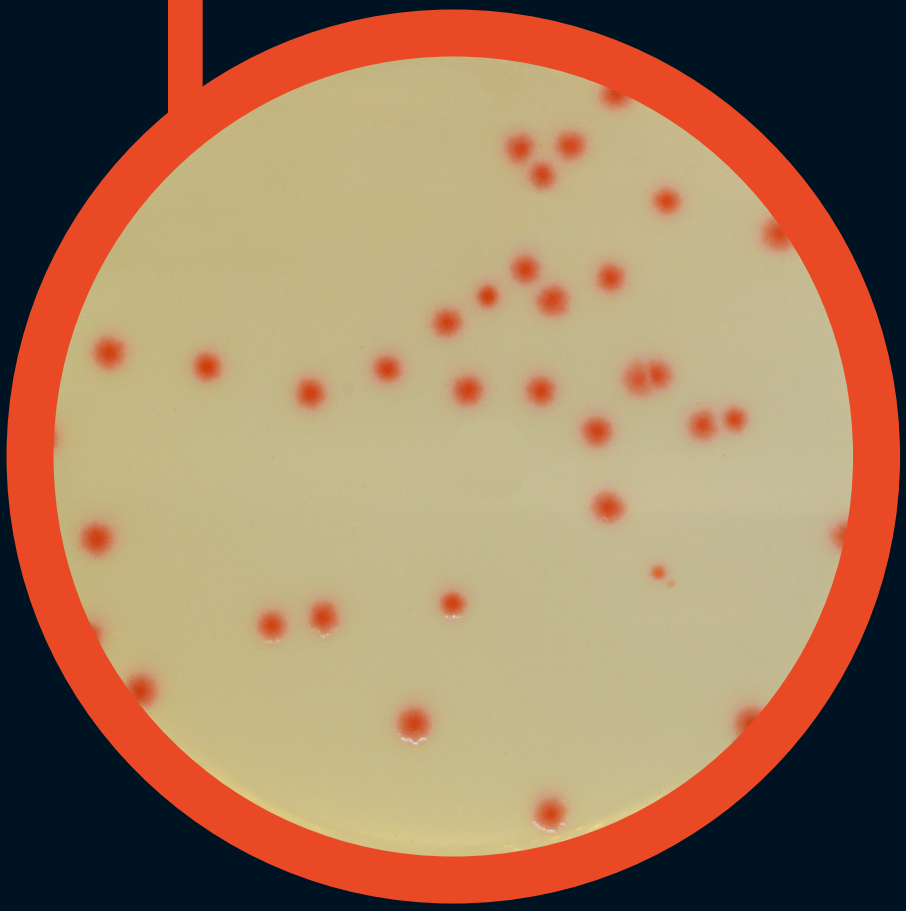
CHROMagar™ C.perfringens



For detection and enumeration of *Clostridium perfringens*

CHROMagar™
The Chromogenic Media Pioneer

CHROMagar™ C.perfringens

For detection and enumeration of *Clostridium perfringens*

Background

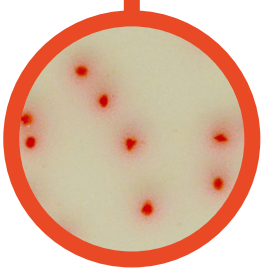
"*Clostridium perfringens* is involved in food poisoning and animals' infections.
Beef, poultry, gravies, and dried or pre-cooked foods are common sources of *C. perfringens* infections. *C. perfringens* infection often occurs when foods are prepared in large quantities and kept warm for a long time 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 *Clostridium perfringens* colonies by an orange coloration, the other microorganisms being blue, metallic blue or inhibited.

Plate Reading

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



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)	1st : Powder..... 2 g/L Storage at 2/8 °C Shelf Life ... > 12 months	2nd : Powder..... 0.12 g/L Storage at 2/8 °C Shelf Life ... > 12 months

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

Please visit www.biotrading.com for more information about this product.

Version 3.0 EN / Jul-19
LF-EXT-066

Order References

Please use these product references when contacting your local distributor:
5000 mL pack PF652
(Included in this reference: powder base PF652(B) + supplement PF6522(S1) + supplement PF6522(S2))