

For detection, differentiation and enumeration of thermotolerant *Campylobacter*



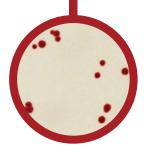
CHROMagar™ Campylobacter

www.CHROMagar.com



Plate Reading

- Campylobacter jejuni, coli, lari
- → red
- Other bacteria
- → blue or inhibited



Medium Description

Powder Base	Total 51.2 g/L	
	Agar 15.0	
	Peptones and yeast extract	
	NaCl	
+	Chromogenic and selective mix 2.2	
	Storage at 15/30 °C - pH: 7.4 +/-0.2	
	Shelf Life > 12 months	
Supplement (included in the pack)	Specific Powder supplement	
	Shelf Life > 12 months	
Usual Samples	Clinical: Rectal swabs and stools. Industrial: Food and feed products, environmental samples.	
Procedure	Direct streaking. Incubation 36-48 h at 42 °C Micro-aerophilic conditions.	
Scientific Publications on this product: available on www.CHROMagar.com		

Please read carefully the instructions for use (IFU document) available on



For detection, differentiation and enumeration of thermotolerant *Campylobacter*

Background

"Campylobacter bacteria are a major cause of foodborne diarrhoeal illness in humans and are the most common bacteria that cause gastroenteritis worldwide. In developed and developing countries, they cause more cases of diarrhoea than foodborne Salmonella. The high incidence of Campylobacter diarrhoea, as well as its duration and possible sequelae, makes it highly important from a socio-economic perspective. In developing countries, Campylobacter infections in children under the age of two years are especially frequent, sometimes resulting in death." World Health Organisation (WHO) – fact sheet N°255

Campylobacter spp. are fastidious bacteria that may be difficult to recover due to suboptimal specimen transport and/or storage conditions and lack of proper culture procedures. Several culture media formulations have been developed, some blood-based other including charcoal. Each of these media have shown to be a mediocre compromise between specificity and sensitivity.

With CHROMagarTM Campylobacter, no compromises! This medium allies the highly specific and easy to read chromogenic technology with an unrivalled growth agar base.

Intended use

CHROMagarTM Campylobacter is a selective chromogenic culture medium intended for use in the qualitative direct detection, differentiation and presumptive identification of thermotolerant *Campylobacter*. The test is performed with rectal swabs and stools, to aid in the diagnosis of *Campylobacter* infections. Results can be interpreted after 36-48 h of micro-aerophilic incubation at 42 °C.

Concomitant cultures are necessary to recover organisms for further microbiological testing or epidemiological typing.

A lack of growth or the absence of colonies on CHROMagarTM Campylobacter does not preclude the presence of *Campylobacter*. CHROMagarTM Campylobacter is not intended to diagnose infection nor to guide nor monitor treatment for infections.

CHROMagarTM Campylobacter can also be used in the detection of *Campylobacter* in the analyses of food products for human consumption, animal feed and in environmental samples in accordance with the ISO 10272-1.

Medium Performance

IN ACCORDANCE TO ISO 10272-1 REQUIREMENTS as a selective medium for the detection of Campylobacter

2 EASY READING

36-48 h incubation at 42 °C.

The intense red colored colonies on a translucent agar facilitates the reading compared to charcoal based agar.

(3) HIGH RECOVERY RATE ~100 %

Enumerating Campylobacter has never been so simple and so reliable.

4) HIGHLY SELECTIVE

In addition, a reinforced selectivity allows for a very clean plate, even with heavily flora loaded samples.

	Analytical data *	Clinical data *
Sensitivity	100 %	100 %
Specificity	90 %	94 %

^{*} Data obtained in the study «Evaluation of CHROMagarTM», Forsberg et al. Poster CACMID 2016.

Order References

www.CHROMagar.com

Please use these product references when contacting your local distributor: 5000 mL pack CP572

(included in this reference: powder base CP572(B) + supplement CP572(S))

(included in this reference: powder base CP573-25(B) + supplement CP573-25(S))

Manufacturer: CHROMagar, 29 avenue George Sand, 93210 La Plaine Saint-Denis - France Email: CHROMagar@CHROMagar.com Website: www.CHROMagar.com Find your nearest distributor on www.CHROMagar.com/contact

^{**} Data obtained in the study «Evaluation comparative de trois milieux de culture sélectifs; CHROMagarTM Campylobacter (CHROMagar), Karmali (Oxoid) et Campylosel (bioMérieux), pour la recherche des *Campylobacter* thermotolérants à partir des échantillons fécaux», Bensersa-Nedjar *et al.* Poster RICAI 2017