

IVD solutions through partnership



CHROMagar™ *Y. enterocolitica*

For detection and differentiation
of pathogenic *Y. enterocolitica*

CHROMagar™
The Chromogenic Media Pioneer

● CHROMagar™ *Y. enterocolitica*

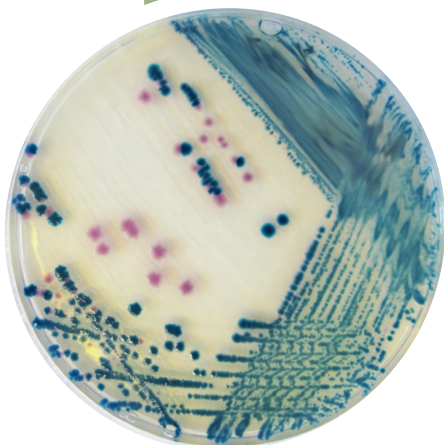
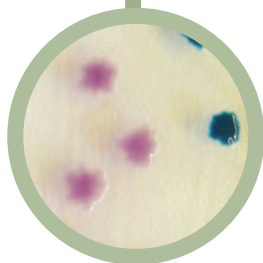


Plate Reading

For detection of:

- Pathogenic *Y. enterocolitica* → mauve
- Non pathogenic *Y. enterocolitica* and background flora (*Citrobacter*, *Enterobacter*, *Aeromonas* etc.) → metallic blue, inhibited or limited growth in metallic blue colour



For detection and differentiation of pathogenic *Yersinia enterocolitica* strains

Background

Among the *Yersinia* genus, *Yersinia enterocolitica* is one of the most common food borne pathogen. In several countries, *Y. enterocolitica* has eclipsed *Shigella* and approaches *Salmonella* and *Campylobacter* as the predominant cause of acute bacterial gastroenteritis. Its ability to grow at refrigeration temperature makes it an increasing concern in terms of food safety. This germ most commonly affects young individuals. However, only a few strains of *Y. enterocolitica* cause illness in humans. Those pathogenic *Y. enterocolitica* strains belong to biotypes 1B, 2, 3, 4, and 5, whereas biotype 1A strains are non-pathogenic and widespread in the environment. The major animal *Y. enterocolitica* reservoir causing illnesses are pigs.

Medium Performance

1

High specific of the mauve colour

1. Clear differentiation of *Yersinia* among background flora

Background flora, such as *Citrobacter*, often has a *Yersinia*-like red aspect on CIN agar which generate a heavy routine workload on false positive results. Thanks to CHROMagar™ *Y. enterocolitica*, this unnecessary workload will be eliminated as only pathogenic *Yersinia enterocolitica* colonies will grow mauve.

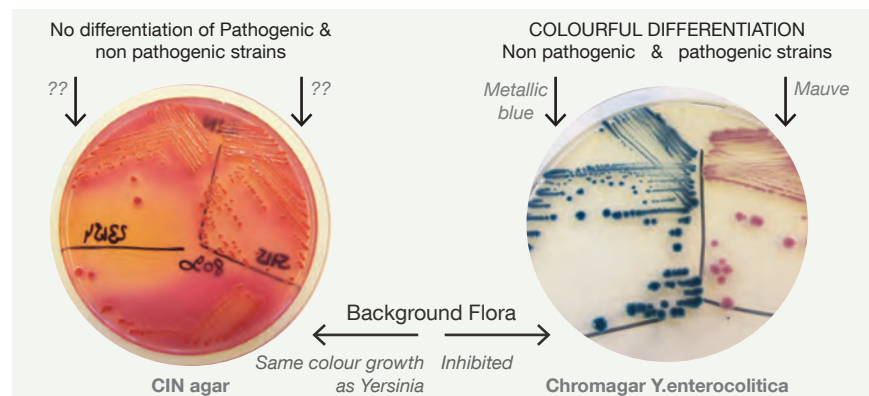
2. Colourful differentiation of pathogenic among non pathogenic *Yersinia enterocolitica*

In traditional culture media like CIN agar, pathogenic and non-pathogenic biotypes have the same aspect. On CHROMagar *Y. enterocolitica*, the pathogenic biotypes grow in a distinctive mauve colour, differentiated at a glance, from the non pathogenic which will grow metallic blue.

2

High sensitivity: reduction of background colour

Background flora is dramatically reduced on CHROMagar *Y. enterocolitica* allowing an easy reading of the plates. **The laboratory will concentrate its efforts and resources only on suspect colonies that have a real potential of pathogenicity.**



Medium Description

Powder Base	Total	41.3 g/L
	Agar	15.0
	Peptones	20.0
	Salts	5.0
	Chromogenic & selective mix	1.3
	Storage at 15/30 °C - pH: 7.0 +/- 0.2	
	Shelf Life	> 18 months
+ Supplement (included in the pack)	Powder form	100.0 mg/L
	Storage at 2/8 °C	Shelf Life
		> 12 months

Usual Samples	All
Procedure	Direct Streaking or after appropriate enrichment step. Incubation at 30 °C, 36h. Aerobic conditions.

Please read carefully the instructions for use (IFU document) available on www.CHROMagar.com



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Ordering Information

Product	Order Code
CHROMagar™ <i>Y. enterocolitica</i> dry media, 5 liter	15YE492
CHROMagar™ <i>Y. enterocolitica</i> ready to use plates, 20 pcs.	201484