

VB91-020717

# CHROMagar™ Vibrio

Chromogenic medium  
for detection and isolation  
of *V. parahaemolyticus*,  
*V. vulnificus* & *V. cholerae*

ref. VB910 : 4x250ml pack  
ref. VB912 : 5000ml bottle

**CHR**  **Magar**

Microbiology

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## COMPOSITION\* :

Agar, 15.0 g/l; Peptone & Yeast extracts, 8.0 g/l; salts, 51.4 g/l; Chromogenic mix, 0.3 g/l; pH : 9.0.

\*(Classical formula adjusted and/or supplemented as required to meet performance criteria).

## PREPARATION :

- According to quantities desired, weigh out powder and use in the proportion 74,7 g/l of purified water, or use full pre-weighed dose with corresponding volume of purified water.

- Disperse powder slowly in water by rotating until swelling of the agar.

- Bring to a boil (100°C) by repeated heatings, swirling or stirring regularly. If using an autoclave, do so without pressure. DO NOT HEAT TO MORE THAN 100°C. Mixture may also be brought to a boil in a microwave oven. In this case, after initial boiling, remove from oven to stir gently, return to oven for short repeated heatings. Continue until complete fusion of agar grains (large bubbles replacing foam : about 2 minutes).

- Cool in a water bath to 48°C, swirling or stirring gently to homogenize before pouring into sterile Petri dishes or tubes. Let dry.

Medium may be kept for a day at room temperature or stored for several weeks in a refrigerator (store in the dark).

- Streak and incubate at 37°C for 24h.

## INTERPRETATION :

Colony colour	Microorganism pre-identified (*)
mauve	<i>V. parahaemolyticus</i> (*)
green blue/turquoise blue	<i>V. vulnificus</i> (*)/ <i>V. cholerae</i> (*)
colourless	<i>V. alginolyticus</i> (*)

(\*) Final identification must be done by complementary tests.

For oxydase test of mauve colonies, we suggest use of a tetramethyl-p-phenylenediamine solution at 10 mg/ml, giving a blue colour with oxydase positive bacteria.

Yukiko Hara-Kudo *et al.* 2001. Improved Method for Detection of *Vibrio parahaemolyticus* in Seafood. Applied & Environmental Microbiology. Dec.2001, Vol. 67, N° 12 p. 5819-5823.

*Laboratory product to be used only by trained personnel*