

# CHROMagar™ Identification Listeria

## Identification test for *L.monocytogenes*

article number LK970: 1 x 250ml

NT-EXT-026
Version 3

CHROMagar Identification Listeria may be used as *in vitro* medical device or food field.

CHROMagar Listeria method (presence / absence):

→ AFNOR validation CHR-21/1-12/01.

CHROMagar Listeria enumeration method:

→ AFNOR validation CHR-21/2-12/06.

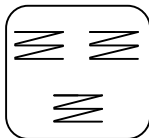
Field: all human food products and environmental samples.

**STORAGE** Store the powder at 2/30°C and the supplement at 2/8°C until the shelflife date indicated on the label.

**COMPOSITION in g/L** Agar 15.0; Peptone and yeast extract 23.0; NaCl 5.0; Chromogenic mix 15.3; pH : 6.6 +/- 0.2 (Classical formula adjusted and/or supplemented as required to meet performance criteria).

**PREPARATION BASE :** For pre-weighed dose of medium, add CHROMagar Identification Listeria base dry powder to the corresponding volume of purified water. Alternatively, suspend the medium in the proportion of 51.8 g/L of purified water. Disperse powder slowly in water by rotating for swelling of the agar. Heat to 121°C +/- 1°C during 15 minutes. Cool in a water bath to 47°C +/- 2°C. **SUPPLEMENT :** Disperse slowly CHROMagar Identification Listeria supplement in the corresponding volume of STERILE purified water, 10ml for a 250ml dose or in 40ml per 6,5g per final litre. Add a magnetic bar and homogenize during at least 30 minutes rotating the magnetic bar at high speed (700-1000 rpm) and without heating. **MIXING OF BASE AND SUPPLEMENT :** Place the melted 47°C cooled base under gentle stirring with a magnetic bar. Add the homogeneous reconstituted supplement, keeping the gentle stirring during 1 or 2 minutes until complete homogenisation. Pour IMMEDIATELY into sterile Petri dishes. DO NOT PILE THE PETRI DISHES and let them cool. Let dry. Store in the dark. Prepared plates can be kept for one day at ambient temperature, or for up to two weeks at (2/8°C) if properly prepared and protected from light and dehydration.

**UTILISATION** Do a test from typical isolated colonies from CHROMagar Listeria (blue colony with a white halo appearing after 24h +/- 2h @ 37°C +/- 1°C). The test is performed by spot : do a zigzag streak on the surface of the medium. One can do up to 3 spots by 55mm plates.



Incubate 18h to 24h @ 37°C +/- 1°C.

## INTERPRETATION

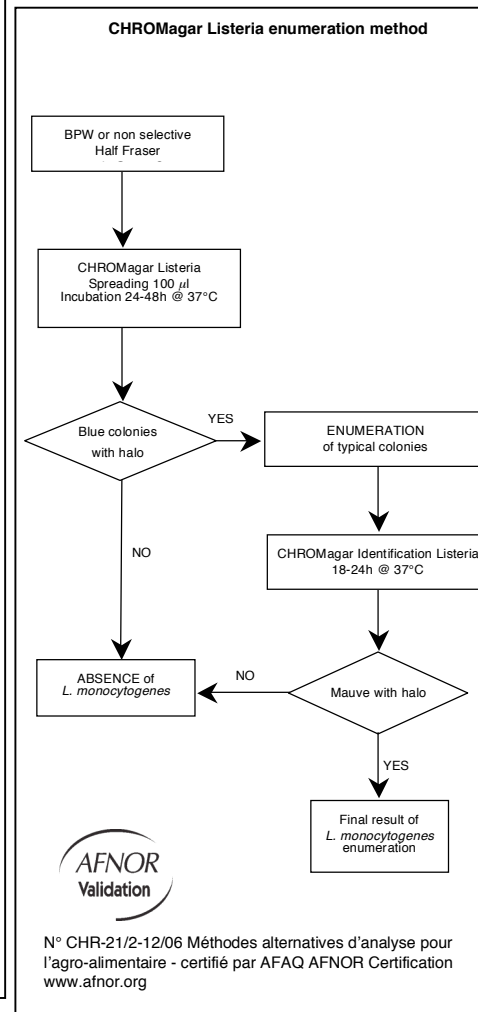
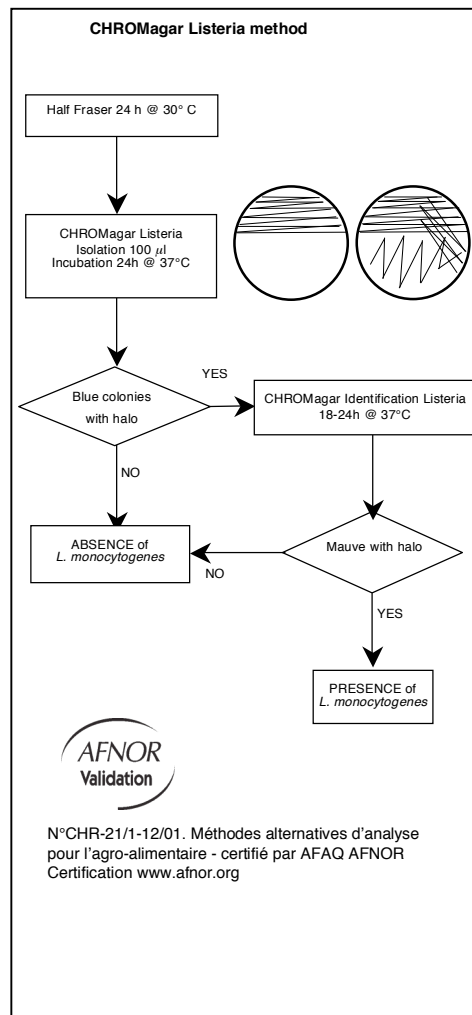
**Microorganism** → **Typical appearance**

<i>L.monocytogenes</i>	→ rose surrounded by a white halo
<i>L.ivanovii</i>	→ colourless surrounded by a white halo
<i>L.innocua</i>	→ rose without halo
<i>L.seeligeri</i>	→ colourless without halo
<i>B.cereus</i>	→ colourless with irregular edge (intense halo)

**DISPOSAL OF WASTE** After interpretation all plates should be destroyed by autoclaving at 121°C for at least 20 minutes.

**English.** For *In Vitro* Diagnostic use.

Laboratory product to be used only by trained personnel.



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Microbiology

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