



COMPASS[®] *Listeria*

DETECTION AND ENUMERATION OF *LISTERIA MONOCYTOGENES* AND *LISTERIA* SPP.
IN HUMAN FOOD PRODUCTS AND ENVIRONMENTAL SAMPLES



RAPID

Negative screening in 40 hours and confirmation of *L. monocytogenes* in only 6 hours

FLEXIBLE AND ECONOMIC

Easily adaptable protocol to all laboratory organizations :
1 enrichment broth + 1 plate for the detection

PERFORMANCE

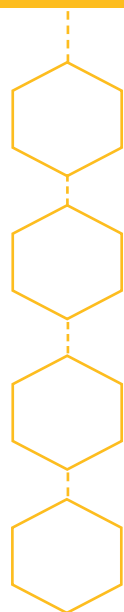
Absence of secondary enrichment and excellent selectivity of COMPASS[®] *Listeria* Agar for reading and optimal enumeration

EASY

Clear distinction between colonies of *Listeria monocytogenes* (blue-green WITH halo) and colonies of *Listeria* spp. (blue-green WITHOUT halo)

RELIABLE

Validated method by AFNOR Certification according to NF EN ISO 16140-2 and formulated to NF EN ISO 11290-1 and NF EN ISO 11290-2 standards (Ottaviani Agosti Agar)



COMPASS® *Listeria*

COMPASS® *Listeria* method allows the detection and the enumeration method of *Listeria monocytogenes* and *Listeria* spp. in human food products and environmental samples



Scan me



ENUMERATION

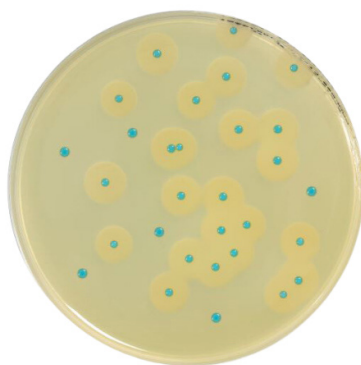
(x) g of sample in 9 (x) mL
of Half-Fraser Broth ¹

DETECTION

Direct plating



Plate 0.1 mL for surface inoculation or 1 mL
for pour plate inoculation on **COMPASS® *Listeria* Agar**



⊕ Incubation
48 ± 2 h²
37 ± 1°C

⊕ Incubation
22-28 h³ at 30 ± 1 °C
or
18-24 h³ at 37 ± 1 °C⁴

⊕ Incubation
24 ± 2 h⁵
37 ± 1°C

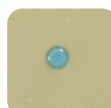
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Reading and/or enumeration of characteristic colonies



Blue-green colonies surrounded
by an opaque halo : presumption
of *Listeria monocytogenes*



Blue-green colonies without
halo : presumption *Listeria*
spp.

Confirmation test : re-streak of characteristic colony⁶

CONFIRM' *L. mono*
Agar (up to 6 streaks
on a single plate)

CONFIRM' *L. mono*
Broth

⊕ Incubation **24 ± 3 h**
at **37 ± 1°C**

⊕ Incubation **6 h**
at **37 ± 1°C**



Characteristic streak of
L. monocytogenes



Presence of
L. monocytogenes

PALCAM Agar (up to 15 confirmations
on a single plate)

⊕ Incubation **24 ± 3 h** at
37 ± 1°C



Black halo characteristic of
Listeria spp.

Validated by AFNOR Certification under
the ref. BKR 23/02-11/02 (detection) and
BKR 23/05-12/07 (enumeration)

To know

¹ Suspension may also be done in buffered
peptone water for the enumeration.

² A first reading may be done after 24 hours
of incubation for highly contaminated
samples, however the result must be
given after 48 hours.

³ Enrichment broth may be kept up to 72
hours at 2-8 °C before plating.

⁴ Half Fraser broth must be preheated.

⁵ **Reading may be done after 24 hours
of incubation.** It can be prolonged to
48 hours for organization reasons of
laboratory.

⁶ When using a biochemical identification
gallery, take one isolated colony, without
transplanting on nutrient agar.

The **COMPASS® *Listeria*** agar may be kept
up to 72 hours at 2-8°C before reading.

Please refer to the technical data sheet
for more information.

Ordering information

Half-Fraser Broth (Ready-to-use - RTU)

BM01608 – 10 vials of 225 mL
BM13308 – 3 flexible bags 3 L
BM13408 – 2 flexible bags 5 L
BM18808 – 40 flexible bags 5 L

Half-Fraser Broth + Tween®80 (RTU)

BM21208 – 3 flexible bags 3 L

Complete Half-Fraser Broth

BK215HA – 500 g ; BK215GC – 5 kg

Half-Fraser Broth (base + suppl.)

BK173HA – 500 g ; BK173GC – 5 kg
BS05908 – 10 vials of 90 mL
BS06208 – 7 tubes of 10 mL

Half-Fraser Broth (base II + suppl.)

BK133HA – 500 g ; BK133GC – 5 kg
BS03008 – 10 vials qsp 500 mL
BS03208 – 8 vials qsp 2.25 L

COMPASS® *Listeria* Agar

BM12308 – 20 Petri dishes (Ø90 mm)
BM12408 – 120 Petri dishes (Ø90 mm)

COMPASS® *Listeria* Agar Kit

BT00808 – 6 vials 200 mL, 6 vials of
selective suppl. qsp 200 mL, 6 vials of
enrichment suppl. qsp 200 mL

COMPASS® *Listeria* Agar (base + suppl.)

BK192HA – 500 g bottle
BS07008 – Enrichment suppl. 8 vials qsp 1 L
BS07108 – Selective suppl. 8 vials qsp 1 L

CONFIRM' *L. mono* Agar or broth

BM13908 – 10 Petri dishes (Ø90mm)
BM16208 – 18 vials

PALCAM Agar

BK145HA – 500 g bottle
BS00408 – Suppl. 10 vials qsp 500 mL
BS04908 – Suppl. 8 vials qsp 2.5 L
BM02008 – 20 Petri dishes (Ø90 mm)

Listeria ID System Kit

BT01408 – Complete kit for 20 tests