PRESENTATION :

COMPASS® *LISTERIA METHOD*

FOR ENUMERATION

COMPASS® *Listeria*

Enumeration

- The **COMPASS®** ***Listeria*** method permits the enumeration of ***L. monocytogenes*** in human food products and environmental samples in as little as **2 days**.

- The **COMPASS®** ***Listeria*** **Agar** medium is based on the detection of 2 enzymatic activities :

  - β-D-Glucosidase specific to *Listeria* spp.
  - Phospholipase C, specific to *Listeria monocytogenes.*

Biokar diagnostics

COMPASS® *Listeria*
Enumeration

- This method is validated by AFNOR certification as compared to the reference method **NF EN ISO 11290-2/A1 (Feb. 2005)** : "Food Microbiology – Horizontal method for the detection and enumeration of *Listeria monocytogenes* - Part 1 : Enumeration method" and according to the standard **NF EN ISO 16140.**

BKR 23/05 - 12/07
Méthodes alternatives d'analyse pour l'agroalimentaire
www.afnor-validation.org

- **COMPASS *Listeria*® Agar** is also validated for the detection of *Listeria* spp. and *Listeria monocytogenes* in human food products and environmental samples .

- **COMPASS *Listeria*® Agar** can also serve as the isolation medium used in the standard NF EN ISO 11290-2/A1.

COMPASS® *Listeria*

Enumeration

Homogenization of the sample

BPW

Primary dilution which can be used for additional analyses as referred to in NF EN ISO 6887-1

0.1 mL streaking

OR

1 ml pour plate

***Listeria* spp. : Blue colonies without a halo**
***L. monocytogenes* : Blue colonies with an opaque halo**

T0 **Test +**

CONFIRM' *L.mono* broth

SUSPENSION	INNOCULATION 48 ± 3 H à 37 ± 1°C	CONFIRMATION 6 H à 37 ± 1 °C

Biokar diagnostics

COMPASS® *Listeria*

Enumeration

COMPASS® *Listeria* Agar

Excellent media performance & selectivity :

- **Optimized formulation that favors *Listeria* growth.**
- **A judicious mixture of selective agents that insures inhibition of secondary flora.**

Biokar diagnostics

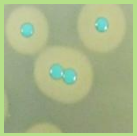
COMPASS® *Listeria*

Enumeration

COMPASS® *Listeria* Agar

Ease of reading with clear distinctions :

- **Blue colonies WITHOUT halos : *Listeria* spp.**
- **Blue colonies WITH opaque halos : *Listeria monocytogenes*.**



Biokar diagnostics

COMPASS® *Listeria*

Enumeration

CONFIRM' *L.mono* broth

A rapid and visual confirmation test

- Easy reading : purple liquid turns yellow.
- Fast : results in 6 hours.

Reading the results can be made up to 24 hours later if needed.

T0 Test +

Also exists in a solid media format : CONFIRM' *L.mono* Agar :

- **Up to 6 confirmations per plate**
- **Results in 24 hours.**

Biokar diagnostics

COMPASS® *Listeria*

Enumeration

The COMPASS® *Listeria* Agar enumeration method

Simple and rapid enumeration of *Listeria monocytogenes* :

- **Negative results in only 2 days.**
- **No resuscitation step necessary.**

Biokar diagnostics

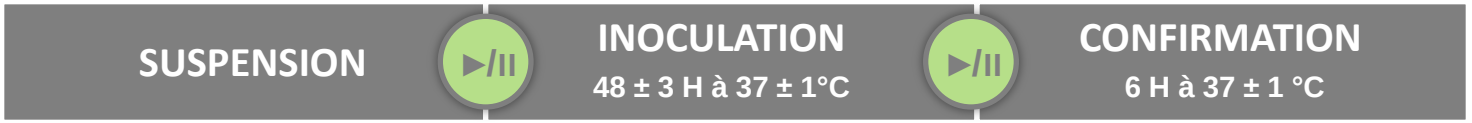
COMPASS® *Listeria*

Enumeration

The COMPASS® *Listeria* Agar enumeration method

A flexible procedure :

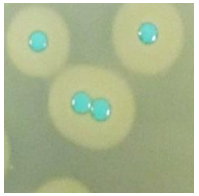
- **Enrichment and agar can be kept up to 3 days at 2-8 C before re-inoculations.**
- **Its formulation corresponds to that cited in the enumeration protocol for the standard EN ISO 11290-2 including the amendment A1.**



Biokar diagnostics

COMPASS® *Listeria*

Enumeration



Listeria monocytogenes
and certain rare strains of ***Listeria ivanovii***

Characteristic colonies :

Blue-green color surrounded by an opaque halo.

***Listeria* spp.**

Characteristic colonies :

Blue-green color without any halo.

Biokar diagnostics