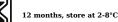
# **Monocyto-ID Listeria Scan**

Standard method for biochemical detection and identification of Listeria monocytogenes

# MenidiMedica **Biotechnology** Applications





## Description

Listeriosis is a serious infection, classified as a zoonosis, which results from the ingestion of food contaminated with the bacterium Listeria monocytogenes. It leads to a severe clinical picture in infants, immunocompromised individuals and poses significant risks to foetuses, while pregnant women usually have mild symptoms.

# Contents

# FX100025 - 25 vials R

FX100100 - 100 vials R

Note: All kit components are stable until the expiration date on the label. Protect them from light and contamination during use. Do not use the reagents after the expiration date. Store reagents at 2-8°C.

Shelf life 12 months from date of production Storage and stability 2-8°C

Samples

# Food, milk, dairy products, fish

Note: for sample preparation, please contact the scientific support department of MenidiMedica Biotech

## Procedure

- Incubation of the sample in suitable nutrient medium (e.g. Ottaviani Agosti Agar Base) for 24 hours at 37°C in an incubator
- · Place a vial found on the package with the Listeria monocytogenes biochemical detection and identification reagent in the incubator at the same time as the incubation described in step a is performed.
- · Remove the medium and the vial from the incubator.
- · Open the vial and add one drop or 50 ul of deionised water to the vial Collect a formed colony from the nutrient medium with a swab and dip it into the
- vial, shaking gently until the contents of the swab are dissolved in the vial. Incubate the vial in the incubator at 37°C for 6 hours
- Remove the vial from the incubator and check the colour that has appeared

## Interpretation

Green: positive sample for Listeria monocytogenes

Sensitivity: 100% for Listeria monocytogenes

Specificity: 100% for Listeria monocytogenes

A comparison study with other methods was performed on a total number of samples n=500.

## **Bibliography**

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