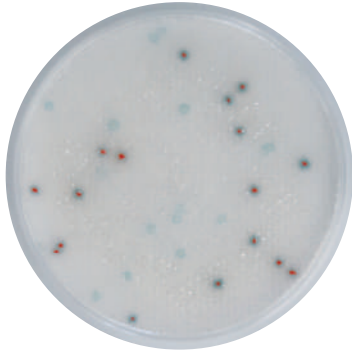




## Compact Dry™ LM

Ready-to-Use Medium for  
*Listeria monocytogenes*



Compact Dry™ offers a simple and safe procedure to detect and quantify microorganisms in foods, beverages, raw materials, cosmetics, pharmaceuticals, and environmental samples.

*Listeria* spp. are Gram-positive, motile (under mesophilic conditions) bacteria of clinical importance due to their virulence activity.

Compact Dry LM chromogenic plates are ready to use for the detection and enumeration of *Listeria monocytogenes* in food and are suitable for both in-process and finished product controls.

### Manufactured by

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### Customer support and sales

[sales@advancedfooddiagnostics.com](mailto:sales@advancedfooddiagnostics.com)

### About the Test

**Pre-enrichment step:** 30°C, 25 ± 1 hour

**Incubation time:** 24 ± 2 hours

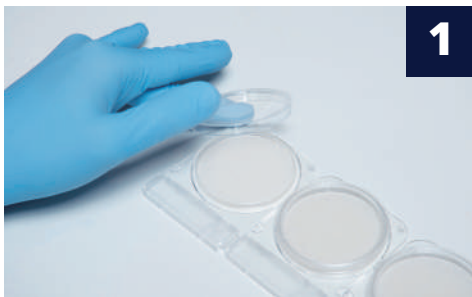
**Incubation temperature:** 37 ± 1°C

**pH Adjustment:** The pH of the product or 1:10 dilution of product should be between 6 and 7 for optimal growth of target microorganisms. If the pH is not between 6 and 7, adjust the pH of the product or 1:10 dilution with 1 N or 0.1 N NaOH for acidic products or 1 N or 0.1 N HCl for alkaline products.

**Interpretation:** Consider red colonies with or without blue borders presumptive for detection and enumeration of *Listeria monocytogenes*. Confirmations must be performed according to ISO 11290.

**Storage and shelf life:** Room temperature, +1°C to +30°C, 18 months.

## General Testing Protocol



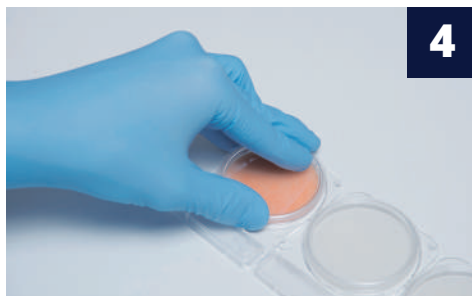
Remove the lid.



Dispense 1 ml of sample in the middle of the Compact Dry plate.



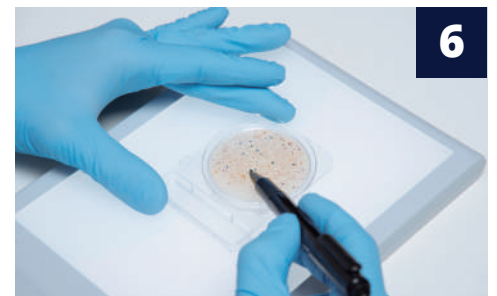
The sample diffuses passively and evenly across the dehydrated media sheet, rehydrating the dry medium into a gel within seconds.



Replace the lid and label the plate.

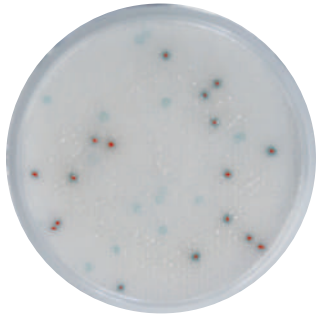


Turn over the plate (lid down) and incubate for the appropriate time and temperature.



Following incubation, count the number of colored microbial colonies.

Interpretation guide on reverse ➤



## Interpretation

- Consider all red colonies with or without blue borders a presumptive detection for the detection of *Listeria monocytogenes*.
- The Compact Dry LM plate also allows the growth of other *Listeria* species, evidencing light blue colonies. These are NOT presumptive for *Listeria monocytogenes*.
- Count range 1–300 cfu/plate.

## Enumeration

Enumeration of colonies can be performed from the front or the back of the Compact Dry plate. Read against a white background with an adequate light source. The grid lines on the back of the plate are useful when high plate counts are present. Colony morphology is best observed on the front of the plate. Colonies can be sampled for further identification by removing the lid and selecting an isolated colony. Use an inoculating loop to transfer to an agar plate or a pipette tip to place into a growth medium. Gently remove a colony taking care not to disturb the surrounding growth medium.



Presumptive *Listeria monocytogenes*  
count = 56

The presumptive colonies of *L. monocytogenes* present red coloration, they may or may not have a blue halo; however, both conditions must be taken into account for *L. monocytogenes*.



Presumptive *Listeria monocytogenes*  
count = 46