



# Singlepath<sup>®</sup> L'mono

For the rapid detection and confirmation  
of *Listeria monocytogenes* in foods

# Singlepath® L'mono

## GLISA-Rapid Test (Gold Labelled ImmunoSorbent Assay) for the qualitative detection and confirmation of *Listeria monocytogenes* in food and environmental samples.

*Listeria* are gram-positive, nonspore-forming, rod-shaped bacteria. Of the six known species of the *Listeria* genus, *Listeria monocytogenes* deserves particular mention as a human and animal pathogen, while *L. ivanovii* is pathogenic only in animals and *L. innocua*, *L. seeligeri*, *L. grayi*, and *L. welshimeri* are considered harmless environmental bacteria.

Listeriosis, the disease caused by *L. monocytogenes*, manifests itself not only as sepsis, but also and primarily as meningitis or even as encephalitis. Since *L. monocytogenes* is capable of crossing the placenta barrier, an infection of the pregnant mother with listeria constitutes a special risk for the fetus or result in the infection of the newborn child. *L. monocytogenes* is also responsible for severe infections in immunocompromised persons. As a result of the ubiquitous distribution of listeria and their capability to grow at refrigerator temperatures

(+2°C to +8°C), foods constitute one of the main sources of infection.

Due to this fact the detection of *Listeria monocytogenes* in foods and environmental samples is absolutely necessary. The drastic increase in the incidence of food infection caused by *Listeria* demands reliable and rapid methods of detection. Apart from traditional culture methods, immunological techniques are becoming more and more popular with users due to their better specificity and sensitivity.

Singlepath® L'mono is an immunological screening and an extremely fast confirmation test for the specific detection of *Listeria monocytogenes* based on the immune flow principle and is designed in such a way that time-consuming and personnel intensive working steps for the application and interpretation of the tests are avoided.



### Your benefits

- |                    |  |
|--------------------|--|
| <b>Reliable</b>    | As specific as the ELISA method. Provides more accurate results.   |
| <b>Fast</b>        | Result in just 25 minutes.   |
| <b>Ease-of-use</b> | One-step format avoids working errors during handling.   |
| <b>Convenient</b>  | Simply add sample and read off the result.   |
| <b>Safe</b>        | Clear and distinct positive or negative test results with a built-in positive control.   |
| <b>Economical</b>  | Rapid results save labour and inventory costs. No capital investment required for example for instrumentation such as automated systems. |

# Flow-diagram of Singlepath® GLISA L' mono test procedure



## Product list

Products	Pack size	Ord.No.	
Brian Heart Broth (BHI)	500g	1.10493.0500	Enrichment
Listeria enrichment broth, buffered (base)	500g	1.09628.0500	
Listeria selective enrichment supplement	16 vials	1.11781.0001	
Fraser Listeria selective enrichment broth (base)	500g	1.10398.0500	
Fraser Listeria supplement	16 vials	1.10399.0001	
L-PALCAM- Listeria selective enrichment broth (base) acc. to van Netten et al.	500g	1.10823.0500	Detection
Palcam Listeria selective supplement	16 vials	1.12122.0001	
UVM-Listeria selective enrichment broth modified	500g	1.10824.0500	
UVM-II supplement	16 vials	1.04039.0001	
<b>Singlepath® L' mono</b>	<b>25 tests</b>	<b>1.04148.0001</b>	
<b>Singlepath® Listeria</b>	<b>25 tests</b>	<b>1.04142.0001</b>	Isolation media
Chromoplate® Listeria Selective Agar acc. to Agosti and Ottaviani	20 plates	1.00420.0020	
Oxford Listeria agar	500g	1.07004.0500	
Oxford Listeria selective supplement	13 vials	1.07006.0001	
Palcam Listeria agar acc. to van Netten et al.	500g	1.11755.0500	
Palcam Listeria selective supplement	16 vials	1.12122.0001	

## Lateral flow tests

### For the rapid detection of pathogens in food



#### Same safety standard as the classical detection method:

Simple to perform, reliable results in just 20 minutes, considerable savings in time and costs.



#### Wider product range:

Lateral flow tests detect important pathogens in food and environment: E.coli 0157, Verotoxin-producing E.coli, Salmonella, Campylobacter, Listeria, Listeria monocytogenes, Legionella and enterotoxinogenic Bacillus cereus.



#### Additional plus:

Especially adapted media for precise and reliable results.



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