

Microgen® *Listeria* latex test

A rapid test for the identification and confirmation of *Listeria spp.* from colonies grown on selective media.

Listeria spp. are commonly found in soil and are transferred onto vegetable matter. Foods either derived from vegetables or which are derived from grazing animals and which are exposed to minimal processing i.e. dairy products, are the most common vector for the transmission of *Listeria spp.* to humans.

There are 6 species commonly isolated, including *Listeria monocytogenes* which has been associated with human disease. *L. monocytogenes* is an opportunistic pathogen in that it will only cause disease in people with certain predisposing factors such as the immunosuppressed and pregnant women.

Rapid identification confirmed
within 2 minutes

Easy to use

High sensitivity and specificity



Once isolated on agar plates, colonies resembling *Listeria spp.* are tested to confirm that they belong to that genus. Other organisms may be isolated from food samples which may resemble *Listeria spp.* To confirm the presence of *Listeria spp.* a number of tests are normally used including aesculin hydrolysis, oxidase, catalase, motility (differential at 25°C and 37°C).

Microgen *Listeria* latex was developed as an alternative to this battery of tests. Although individually these tests are inexpensive, they are time consuming to perform. The use of a simple latex agglutination test provides a real-time 2 minute test for the confirmation to genus level of *Listeria spp.*

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Microgen® *Listeria* can be used to obtain rapid, presumptive-positive results from selective media thus giving an early indication of a failure in the production process. Where standard methods require it, Microgen® *Listeria* can be used to screen colonies before full biochemical identification and can replace traditional agglutinating antibody methods.

Ordering Information:

Code	Description	Size	Storage
F48	Microgen® <i>Listeria</i>	50 tests	2 - 8°C

Reagents/Kit:

Reagents	Product Code	Detects	Quantity/Size
<i>Listeria</i> latex reagent	F48a	Latex particles coated with rabbit antibodies to <i>Listeria</i> spp.	2.5ml
Positive control	F48b	Positive control solution	0.5ml
0.85% Isotonic saline	F40	Sample preparation solution	5.0ml

If you need any further information on any of the above tests please contact Microgen Bioproducts Ltd.

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