

Determination of *Listeria monocytogenes* and *Salmonella* spp.

ALS microbiological laboratory offers rapid method for food pathogen determination.

This accredited method shortens analysis by 1 day for *Salmonella* spp. and by 3 days for *Listeria monocytogenes*, compared to methods according to the ČSN EN ISO 6579 resp. ČSN EN ISO 11290-1,2. The rapid detection of pathogens in food is essential for ensuring the safety of consumers.

This method is validated and certified by AFNOR VALIDATION, according to the EN ISO 16140 Microbiology of food and animal feeding stuffs – Protocol for the validation of alternative methods and meets the requirements of the Commission Regulation (EC) No 2073/2005 on microbiological criteria for foodstuffs.

Salmonella Optima is based on a three-step, sandwich-type ELISA (Enzyme Linked ImmunoSorbent Assay) using:

- a microtitre plate coated with antibodies specific for *Salmonella*, directed against flagellar antigens of *Salmonella*
- and ready-to-use reagents.

Parameter	Method	Matrix
<i>Listeria monocytogenes</i>	Detection of <i>Listeria</i> by ELISA test method – commercial set RayAl <i>Listeria</i> ELISA kit	Food
<i>Salmonella</i> spp.	Detection of <i>Salmonella</i> by ELISA method – commercial set RayAl <i>Salmonella</i> Optima	Food, feed

Listeria test is a two-step, sandwich-type ELISA using a microtitre plate coated with specific antibodies directed against *Listeria* antigens, and ready-to-use reagents

Results are obtained within 3–5 days. ELISA method gives a negative or a presumptive positive result in 40–44 hours, after 2 enrichment steps.

The ELISA can be performed in less than 2 hours, the presumptive results may be obtained after 42–46 hours.



Should you need further details, please contact us.