



## Listeria Test

Human Anti-LLO IgG Immunoassay

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Human listeriosis is caused by the ubiquitous distributed bacterium *Listeria monocytogenes* and is among the most important causes of death from food-borne infections in industrialized countries.



Symptoms vary, ranging from mild flu-like symptoms and diarrhea to life threatening infections characterized by septicaemia and meningoencephalitis.

The disease affects primarily pregnant women, newborns, older adults and people with weakened immune system.

In pregnant women the infection can spread to the foetus, which may either be born severely ill or die in the uterus, resulting in abortion.

- 2,536 confirmed cases of human listeriosis in 2016 and 247 deaths reported in the EU (+17 % compared with 2014).
- 1,600 illnesses and 260 deaths due to listeriosis occur annually in the United States.

Why choose Human ListeriaTest?

Actually, human listeria infections are diagnosed using commercial agglutination or complement fixation tests that detect flagellar and membrane antigens common for pathogenic and not pathogenic *Listeria* strains, and sometimes common for other gram-positive bacteria allowing very low specificity.

ListeriaTest is an ELISA assay for the rapid detection of anti-Listeriolysin O (LLO) antibodies in human serum and plasma. LLO is a specific toxin recognized as the major determinant of the humoral response against *Listeria monocytogenes* in animals and human.



Benefits of Human ListeriaTest include:

**Specificity** Listeriolysin O is exclusively produced by *Listeria monocytogenes*

**Confidence** Clear and reproducible results, independent of operator expertise

**Reliability** Automatable test and analysis without the need for expert skills

**Ease of use** Minimal hands-on time

**Speed** High capacity load, up to 44 samples per 96-well plate in less than 3 hours

**Convenience** All reagents are ready to use providing consistency, stability and long shelf-life

**Support** Keep your operation running smoothly with a prompt and comprehensive assistance



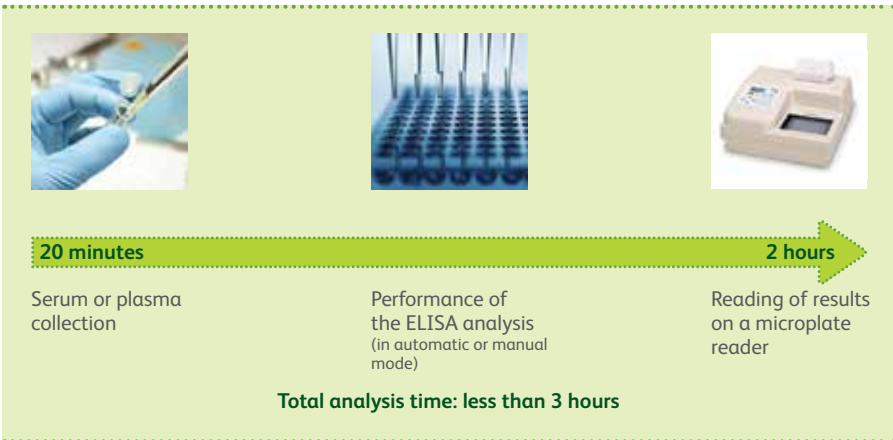
Clinical validation

- Diagnostic sensitivity: 86 %
- Diagnostic specificity: 100 %

Demonstrated by comparison with reference culture method



Workflow



Ordering information

Code	Product	Size
AKE0007	Listeria Test	96 tests / 1 plate

Companion products

Code	Product	Size
AKE0006	Listeria Sheep Test	96 tests / 1 plate
REP0006	Recombinant Listeriolysin - O (LLO)	50µg
REP0007	Recombinant Listeriolysin - O (LLO)	100µg
REP0022	Recombinant Listeriolysin - O pest MINUS	100µg
ANT0006	Rabbit Anti - LLO	200µl
ANT0016	Rabbit Anti - LLO affinity purified	200µl