

PCR-/NAT *Listeria spp.* (RV 538) Mai 2025



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
538A 250520 01	+++	61 /71	<i>Listeria monocytogenes</i> (~ 2x10 ⁵ CFU/mL)
538A 250520 02	++	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 ⁴ CFU/mL)
538A 250520 03	Ø	62	<i>Streptococcus agalactiae</i> (~ 1x10 ⁴ CFU/mL)
538A 250520 04	Ø	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

n = 55		Proben Nr. (Sample no.)				Inhibition				
Befund Result		01	02	03	04		01	02	03	04
Positiv		54	55	1	1	n.d.	0	0	0	0
Negativ		1	0	54	54	nein no	55	55	55	55
Fraglich Questionable		0	0	0	0	ja yes	0	0	0	0

Tabelle 3: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwenden verschiedener Methoden.

Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.

NAT-Methode [Code] (total number)	NAT richtig positiv True positive results				NAT richtig negativ True negative results			
	01		02		03		04	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
Amplex eazypex CSF direct (n = 5)	4	80	5	100	5	100	4	80
AmpliGnost L. monocytogenes (n = 2)	2	100	2	100	2	100	2	100
BioGX Bacterial Meningitis ELGBS (n = 2)	2	100	2	100	2	100	2	100
BioFire FILMARRAY ME Panel (n = 3)	3	100	3	100	3	100	3	100
VIASURE S.agal, L.monoc., E.coli (n = 2)	2	100	2	100	2	100	2	100
Ingenetix BactoReal L. monocytogenes (n = 2)	2	100	2	100	2	100	2	100
Progenie RealCycler L. monocytogenes. (n = 4)	4	100	4	100	4	100	4	100
QIAGEN QIAstat-Dx ME Panel (n = 5)	5	100	5	100	5	100	5	100

Sacace L. monocyt. Real-TM (n = 1)	1	100	1	100	1	100	1	100
Seegene Allplex Meningitis-B (n = 4)	4	100	4	100	4	100	4	100
TIB Molbiol LightMix L. monocytogenes (n = 4)	4	100	4	100	4	100	4	100
<i>In house</i> PCR assay (n = 18)	18	100	18	100	17	94	18	100
Other commercial tests (n = 5)	5	100	5	100	5	100	5	100

Comments:

1. The following tests are listed under "Other commercial tests": AmpliSens L. monocytogenes screen FRT PCR kit (1x), eSens Listeria monocytogenes QT PCR kit (1x) and Hygiena Diagnostics foodproof Listeria genus Detection Kit (1x).