

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.
Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
538A 251014 01	+	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 ⁴ CFU/mL)
538A 251014 02	++	61 /74	<i>Listeria ivanovii</i> (~ 1x10 ⁵ CFU/mL)
538A 251014 03	Ø	62	<i>Escherichia coli</i> K12
538A 251014 04	+++	61 /71	<i>Listeria monocytogenes</i> (~ 2x10 ⁵ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.
Absolute numbers of reported individual results.

<i>n</i> = 51		Proben Nr. (Sample no.)				Inhibition				
Befund Result		01	02	03	04		01	02	03	04
Positiv		49	8	2	51	n.d.	0	0	0	0
Negativ		2	43	49	0	nein no	51	51	51	51
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	
	01		02		04		03	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
Amplex eazypex CSF direct (n = 5)	5	100	0	0	5	100	5	100
AmpliGnost L. monocytogenes (n = 2)	2	100	0	0	2	100	2	100
BioGX Bacterial Meningitis ELGBS (n = 2)	2	100	2	100	2	100	2	100
BioFire FILMARRAY ME Panel (n = 4)	4	100	0	0	4	100	4	100
VIASURE S.agal, L.monoc., E.coli (n = 1)	1	100	0	0	1	100	1	100
Ingenetix BactoReal L. monocytogenes (n = 3)	3	100	0	0	3	100	3	100
Progenie RealCycler L. monocytogenes (n = 2)	2	100	0	0	2	100	2	100
QIAGEN QIAstat-Dx ME Panel (n = 4)	4	100	0	0	4	100	4	100

Seegene Allplex Meningitis-B (n = 5)	5	100	0	0	5	100	5	100
TIB Molbiol LightMix L. monocytogenes (n=4)	4	100	0	0	4	100	4	100
In house PCR assay (n = 16)	14	88	5	31	16	100	14	88
Other commercial tests (n = 3)	3	100	1	33	3	100	3	100

Comments:

1. The following tests are listed under "Other commercial tests": eSens Listeria monocytogenes QT PCR kit (1x), Hygiena Diagnostics foodproof Listeria genus Detection Kit (1x) and Genesig (1x).
2. Due to the predominant use of L. monocytogenes-specific PCR assays, negative PCR results with sample # 538A 251014 02 were not rated as "false negative".