

PCR-/NAT *Listeria spp.* (RV 538) Mai 2026



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
538 260519 01	++	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁴ CFU/mL)
538 260519 02	+++	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁵ CFU/mL)
538 260519 03	Ø	62	<i>Escherichia coli</i> K12
538 260519 04	++	61 /74	<i>Listeria innocua</i> (~ 5x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 56		Proben Nr. (Sample no.)				Inhibition				
Befund Result		01	02	03	04		01	02	03	04
Positiv		56	56	0	9	n.d.	0	0	0	0
Negativ		0	0	56	47	nein no	56	56	56	56
Fraglich Questionable		0	0	0	0	ja yes	0	0	0	0

Tabelle 3: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwendern 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	5	100	3	60	5	100
AmpliGnost L. monocytogenes (n = 2)	2	100	2	100	0	0	2	100
BioGX for BD MAX Bacterial Meningitis ELGBS (n = 2)	2	100	2	100	2	100	2	100
BioFire FILMARRAY ME Panel (n = 5)	5	100	5	100	0	0	5	100
VIASURE S.agal, L.monoc., E.coli (n = 2)	2	100	2	100	0	0	2	100
Ingenetix BactoReal L. monocytogenes (n = 4)	4	100	4	100	0	0	4	100
Progenie RealCycler L. monocytogenes (n = 3)	3	100	3	100	0	0	3	100
QIAGEN QIAstat-Dx ME Panel (n = 3)	3	100	3	100	0	0	3	100

Sacace L. monocytogenes Real-TM (n = 1)	1	100	1	100	0	0	1	100
Seegene Allplex Meningitis-B (n = 4)	4	100	4	100	0	0	4	100
TIB Molbiol LightMix L. monocytogenes (n=4)	4	100	4	100	0	0	4	100
In house PCR assay (n = 16)	16	100	16	100	2	13	16	100
Other commercial tests (n = 5)	5	100	5	100	2	40	5	100

Comments:

1. The following tests are listed under "Other commercial tests": AmpliSens L. monocytogenes screen FRT PCR kit (2x), Bioteccon Diagnostics / Hygiena foodproof Listeria genus Detection Kit (1x), Primerdesign / Novacyt Listeria monocytogenes Genesig Kit (1x) and IST Innuscreen innuDETECT Listeria spp. Assay (1x).
2. Due to the predominant use of L. monocytogenes-specific PCR assays, negative PCR results with sample # 538A 260519 04 were not rated as "false negative".