

**PCR-/NAT *Listeria* spp.
 (RV 538) November 2024**



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

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
538A 241015 01	∅	62	<i>Escherichia coli</i> K12
538A 241015 02	++	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁴ CFU/mL)
538A 241015 03	+	61 /71	<i>Listeria monocytogenes</i> (~ 2x10 ⁴ CFU/mL)
538A 241015 04	+++	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁵ CFU/mL)

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

<i>n</i> = 50	Proben Nr. (Sample no.)					Inhibition			
	01	02	03	04		01	02	03	04
Befund <i>Result</i>									
Positiv	0	50	49	50	n.d.	1	1	1	1
Negativ	50	0	1	0	nein <i>no</i>	49	49	49	49
Fraglich <i>Questionable</i>	0	0	0	0	ja <i>yes</i>	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 <i>True positive results</i>						NAT richtig negativ	
	02		03		04		01	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Amplex eazyplex CSF direct (n= 5)	5	100	5	100	5	100	5	100
AmpliGnost <i>L. monocytogenes</i> (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
Ingenetix BactoReal <i>L. monocyt.</i> (n= 4)	4	100	4	100	4	100	4	100
Progenie RealCycler <i>L. monocyt.</i> (n= 1)	1	100	1	100	1	100	1	100
Seegene Allplex Meningitis-B (n= 6)	6	100	6	100	6	100	6	100
LightMix <i>L. monocytogenes</i> (n= 4)	4	100	4	100	4	100	4	100

In house PCR assay (n= 18)	18	100	17	94	18	100	18	100
Other commercial tests (n= 5)	5	100	5	100	5	100	5	100

The following tests are listed under "Other commercial tests": QIAGEN QIAstat-Dx ME Panel (2x), Hygiene Diagnostics foodproof Listeria genus Detection Kit (1x), CerTest VIASURE S.agalactiae, L.monocytogenes and E.coli Real Time PCR Detection Kit (1x) and eSens Listeria monocytogenes QT PCR kit (1x).