

**PCR-/NAT *Listeria* spp.
 (RV 538) Mai 2021**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2115381	+++	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 ⁵ CFU/mL)
2115382	+++	61 /74	<i>Listeria innocua</i> (~ 5x10 ⁵ CFU/mL)
2115383	Ø	62	<i>Escherichia coli</i> K12
2115384	++	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 45</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	2115381	2115382	2115383	2115384	2115381	2115382	2115383	2115384	
Befund <i>Result</i>									
Positiv	45	7	0	45	n.d.	1	1	1	1
Negativ	0	38 ¹⁾	45	0	nein <i>no</i>	44	44	44	44
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

NAT-Methode [Code] (total number)	NAT richtig positiv <i>True positive results</i>						NAT richtig negativ	
	2115381		2115382		2115384		2115383	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Amplex eazyplex CSF direct (n = 2)	2	100	2	100	2	100	2	100
AmpliGnost <i>L. monocytogenes</i> (n = 3)	3	100	0	0	3	100	3	100
Ingenetix BactoReal <i>L. monocyt.</i> (n = 3)	3	100	0	0	3	100	3	100
Seegene Allplex Meningitis-B (n = 3)	3	100	0	0	3	100	3	100
LightMix <i>L. monocytogenes</i> (n = 6)	6	100	0	0	6	100	6	100
Other commercial tests (n = 7)	7	100	3	43	7	100	7	100
<i>In house</i> PCR assay (n = 21)	21	100	2	10	21	100	21	100

Comments: ¹⁾ Due to the predominant use of *L. monocytogenes*-specific PCR assays, negative PCR results with sample # 2115382 were not rated as "false negative".