

**PCR-/NAT *Listeria spp.*
 (RV 538) Mai / Juni 2019**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1915381	+++	61 / 71	<i>Listeria monocytogenes</i> (~ 1x10 ⁶ CFU/mL)
1915382	Ø	62	<i>Escherichia coli</i> K12
1915383	++	61 / 72	<i>Listeria innocua</i> (~ 5x10 ⁴ CFU/mL)
1915384	++	61 / 71	<i>Listeria monocytogenes</i> (~ 5x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 43</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	1915381	1915382	1915383	1915384		1915381	1915382	1915383	1915384
Befund <i>Result</i>									
Positiv	43	0	7	43	n.d.	0	0	0	0
Negativ	0	43	36 ¹⁾	0	nein <i>no</i>	43	43	43	43
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 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 <i>True positive results</i>			NAT richtig negativ <i>True negative results</i>		
	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%
AmpliGnost LM [20] (n = 2)	4	4 / 6	67	2	2 / 2	100
TIB Molbiol LightMix LM [21] (n = 5)	10	10 / 15	67	5	5 / 5	100
Ingenetix BactoReal LM [22] (n = 2)	5	5 / 6	83	2	2 / 2	100
Other commercial tests [27] (n = 16)	36	36 / 48	75	16	16 / 16	100
<i>In house</i> PCR assay [28] (n = 19)	41	41 / 57	72	19	19 / 19	100
Andere/ k.A. / other [29] (n = 1)	2	2 / 3	67	1	1 / 1	100

* Durch Mehrfachnennung oder fehlende Angabe kann die absolute Zahl der Ergebnisse (Tab. 2) von der Anzahl der Teilnehmer abweichen.
Due to reporting results of multiple assay systems or missing specifications, the effective numbers are not correlating with the number of participants

Comments: ¹⁾ Due to the predominant use of *L. monocytogenes*-specific PCR assays, negative PCR results with sample # 1915383 were not rated as "false negative".