

**PCR-/NAT *Listeria spp.*
 (RV 538) Mai / Juni 2018**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1815381	+++	61 / 72	<i>Listeria ivanovii</i> (~ 5x10 ⁴ CFU/mL)
1815382	∅	62	<i>Escherichia coli</i> K12
1815383	∅	62	<i>Escherichia coli</i> K12
1815384	++	61 / 71	<i>Listeria monocytogenes</i> (~ 5x10 ³ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 42</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	1815381	1815382	1815383	1815384		1815381	1815382	1815383	1815384
Befund <i>Result</i>									
Positiv	4	0	0	42	n.d.	0	0	0	0
Negativ	38 ¹⁾	42	42	0	nein <i>no</i>	42	42	42	42
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>	%
TIB Molbiol LightMix LM [21] (n = 3)	3	3 / 6	50	6	6 / 6	100
Ingenetix BactoReal LM [22] (n = 2)	2	2 / 4	50	4	4 / 4	100
Other commercial tests [27] (n = 13)	15	15 / 26	58	26	26 / 26	100
<i>In house</i> PCR assay [28] (n = 23)	25	25 / 46	54	46	46 / 46	100
Anderer/ k.A. / other [29] (n = 1)	1	1 / 2	50	2	2 / 2	100

Comments: ¹⁾ Due to the predominant use of *L. monocytogenes*-specific PCR assays, negative PCR results with sample # 1815381 were not rated as "false negative".