

**PCR-/NAT *Listeria* spp.
 (RV 538) Mai 2013**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1315381	+++	61 /72	<i>Listeria ivanovii</i>
1315382	∅	62	<i>Escherichia coli</i> K12
1315383	∅	62	<i>Escherichia coli</i> K12
1315384	+	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</i> = 31	Probennummer (Sample no.)				Inhibition				
	1315381	1315382	1315383	1315384	1315381	1315382	1315383	1315384	
Befund <i>Result</i>									
Positiv	3	0	0	30	n.d.	0	0	0	0
Negativ	27 ¹⁾	30	31	1	nein <i>no</i>	31	31	31	31
Fraglich <i>Questionable</i>	1	1	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 <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 = 2)	2	2 / 4	50	4	4 / 4	100
Ingenetix BactoReal LM [22] (n = 1)	1	1 / 2	50	2	2 / 2	100
Other commercial tests [27] (n = 4)	3	3 / 7 §	43	8	8 / 8	100
<i>In house</i> PCR assay [28] (n = 23)	25	25 / 46	54	45	45 / 45 §	100
Andere / k.A. / other [29] (n= 1)	2	2 / 2	100	2	2 / 2	100

§ Due to reporting questionable results, the number of true results (denominator in the „relative“ column) has been reduced.

Comments: ¹⁾ Due to the predominant use of *L. monocytogenes*-specific PCR assays, negative PCR results with sample # 1315381 were not rated as “false negative”.