

**PCR-/NAT *Listeria* spp.  
 (RV 538) November 2012**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1225381	++	61 /72	<i>Listeria ivanovii</i> ATCC 19119
1225382	∅	62	<i>Escherichia coli</i> K12
1225383	++	61 /74	<i>Listeria innocua</i>
1225384	++	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 <sup>4</sup> CFU/mL)

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

<i>n</i> = 28	Probennummer (Sample no.)				Inhibition				
	1225381	1225382	1225383	1225384	1225381	1225382	1225383	1225384	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	3	0	2	26	n.d.	0	0	0	0
<b>Negativ</b>	25 <sup>1)</sup>	28	26 <sup>1)</sup>	2	nein <i>no</i>	28	28	28	28
<b>Fraglich</b> <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 <i>True negative results</i>		
	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%
Other commercial tests [27] (n = 7)	7	7 / 21	33	7	7 / 7	100
<i>In house</i> PCR assay [28] (n = 21)	24	24 / 63	38	21	21 / 21	100

**Comments:** <sup>1)</sup> Due to the predominant use of *L. monocytogenes*-specific PCR assays, negative PCR results with samples # 1225381 and # 1225383 were not rated as "false negative".