

**PCR-/NAT *Listeria spp.*
 (RV 538) November 2011**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1125381	++	61 /72	<i>Listeria ivanovii</i> ATCC 19119
1125382	∅	62	<i>Escherichia coli</i> K12
1125383	+	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁴ CFU/mL)
1125384	+	61 /74	<i>Listeria innocua</i>

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

<i>n</i> = 29	Probennummer (Sample no.)					Inhibition			
	1125381	1125382	1125383	1125384		1125381	1125382	1125383	1125384
Befund <i>Result</i>									
Positiv	4	0	29	1	n.d.	0	0	0	0
Negativ	25 ¹⁾	29	0	28 ¹⁾	nein <i>no</i>	29	29	29	29
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>	%
Artus <i>L. monocytogenes</i> [20] (n = 1)	1	1 / 1	100	3 ¹⁾	3 / 3	100
Other commercial tests [27] (n = 5)	15 ¹⁾	10 ¹⁾ / 15	66	5	5 / 5	100
In house PCR assay [28] (n = 22)	26	26 / 66	40	22	22 / 22	100
Andere / k.A. / other [29] (n = 1)	2	2 / 3	67	1	1 / 1	100

Comments: ¹⁾ Due to the predominant use of *L. monocytogenes*-specific PCR assays, negative PCR results with sample # 1125381 and # 1125384 were not rated as "false negative".