

**PCR-/NAT *Listeria* spp.  
 (RV 538) Mai 2016**



**Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.**

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1615381	++	61 /74	<i>Listeria innocua</i> (~ 1x10 <sup>5</sup> CFU/mL)
1615382	++	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 <sup>5</sup> CFU/mL)
1615383	Ø	62	<i>Escherichia coli</i> K12
1615384	++	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 <sup>5</sup> CFU/mL)

**Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.**

*Absolute numbers of reported individual results.*

<i>n = 39</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	<i>1615381</i>	<i>1615382</i>	<i>1615383</i>	<i>1615384</i>	<i>1615381</i>	<i>1615382</i>	<i>1615383</i>	<i>1615384</i>	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	0	39	0	39	n.d.	0	0	0	0
<b>Negativ</b>	39 <sup>1)</sup>	0	39	0	nein <i>no</i>	39	39	39	39
<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 Anwenden verschiedener Methoden.**

*Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.*

<b>NAT-Methode</b> [Code] (total number *)	<b>NAT richtig positiv</b> <i>True positive results</i>			<b>NAT richtig negativ</b> <i>True negative results</i>		
	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>
AmpliGnost LM [20] (n = 1)	2	2 / 3	67	1	1 / 1	100
TIB Molbiol LightMix LM [21] (n = 2)	4	4 / 6	67	2	2 / 2	100
Ingenetix BactoReal LM [22] (n = 3)	6	6 / 9	67	3	3 / 3	100
Other commercial tests [27] (n = 9)	18	18 / 27	67	9	9 / 9	100
<i>In house</i> PCR assay [28] (n = 24)	48	48 / 72	67	24	24 / 24	100

**Comments:** <sup>1)</sup> Due to the predominant use of *L. monocytogenes*-specific PCR assays, negative PCR results with sample # 1615381 were not rated as "false negative".