

**PCR-/NAT *Listeria spp.*
 (RV 538) November 2019**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1925381	+++	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁵ CFU/mL)
1925382	++	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁴ CFU/mL)
1925383	+	61 /71	<i>Listeria monocytogenes</i> (~ 1x10 ³ CFU/mL)
1925384	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 43</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1925381	1925382	1925383	1925384	1925381	1925382	1925383	1925384	
Befund <i>Result</i>									
Positiv	43	43	35	0	n.d.	0	0	0	0
Negativ	0	0	8 ¹⁾	43	nein <i>no</i>	43	43	43	43
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	
	1925381		1925382		1925383		1925384	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
AmpliGnost LM [20] (n = 2)	2	100	2	100	2	100	2	100
TIB Molbiol LightMix LM [21] (n = 4)	4	100	4	100	3	75	4	100
Ingenetix BactoReal LM [22] (n = 4)	4	100	4	100	2	50	4	100
Other commercial tests [27] (n = 15)	15	100	15	100	12	80	15	100
<i>In house</i> PCR assay [28] (n = 18)	18	100	18	100	16	89	18	100

Comments: ¹⁾ As sample #1925383 contained a low number of *Listeria monocytogenes* target organisms, negative PCR results were not rated "false negative" in this EQAS distribution.