

PCR-/NAT *Listeria spp.*
(RV 538) Mai 2022



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2215381	∅	62	<i>Escherichia coli</i> K12
2215382	++	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ⁴ CFU/mL)
2215383	+	61 /71	<i>Listeria monocytogenes</i> (~ 5x10 ³ CFU/mL)
2215384	∅	62	<i>Neisseria meningitidis</i> (~ 5x10 ⁴ CFU/mL)

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

<i>n = 42</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	2215381	2215382	2215383	2215384		2215381	2215382	2215383	2215384
Befund <i>Result</i>									
Positiv	0	42	41	1	n.d.	0	0	0	0
Negativ	42	0	1	41	nein <i>no</i>	42	42	42	42
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 Anwendern verschiedener Methoden.

Absolute numbers and relative frequency of reported true positive and true negative results

NAT-Methode [Code] (total number)	NAT richtig positiv <i>True positive results</i>				NAT richtig negativ <i>True negative results</i>			
	2215382		2215383		2215381		2215384	
	<i>Absolut</i> <i>Absolute</i>	%	<i>Absolut</i> <i>Absolute</i>	%	<i>Absolut</i> <i>Absolute</i>	%	<i>Absolut</i> <i>Absolute</i>	%
Amplex eazyplex CSF direct (n = 3)	3	100	3	100	3	100	3	100
AmpliGnost <i>L. monocytogenes</i> (n = 3)	3	100	2	67	3	100	2	67
BioGX Bacterial Meningitis ELGBS (n = 2)	2	100	2	100	2	100	2	100
Ingenetix BactoReal <i>L. monocyt.</i> (n = 2)	2	100	2	100	2	100	2	100
Progenie RealCycler <i>L. monocyt.</i> (n = 1)	1	100	1	100	1	100	1	100
Sacace <i>L. monocyt. Real-TM</i> (n = 2)	2	100	2	100	2	100	2	100
Seegene Allplex Meningitis-B (n = 3)	3	100	3	100	3	100	3	100
LightMix <i>L. monocytogenes</i> (n = 6)	6	100	6	100	6	100	6	100

<i>In house</i> PCR assay (n = 18)	18	100	18	100	18	100	18	100
Other commercial tests (n = 2)	2	100	2	100	2	100	2	100

Comments:

1. Unter "Andere kommerzielle Testsysteme" sind folgende Testsysteme aufgeführt: Bioteccon Diagnostics Foodproof Listeria monocytogenes Detection Kit (1x) und AmpliSens L. monocytogenes PCR kit (1x).