

**PCR-/NAT *Borrelia burgdorferi*
 (RV 535) Mai / Juni 2018**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1815351	∅	62	<i>Escherichia coli</i> K12
1815352	+++	61	<i>Borrelia garinii</i> OspA Typ3 (~ 5x10 ⁵ organisms/mL)
1815353	+++	61	<i>Borrelia burgdorferi</i> s.s. (~ 5x10 ⁵ organisms/mL)
1815354	+++	61	<i>Borrelia bissettiae</i> (~ 5x10 ⁵ organisms/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 122</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	<i>1815351</i>	<i>1815352</i>	<i>1815353</i>	<i>1815354</i>	<i>1815351</i>	<i>1815352</i>	<i>1815353</i>	<i>1815354</i>	
<i>Befund Result</i>									
Positiv	0	118	122	119	n.d.	1	1	1	1
Negativ	122	3	0	2	nein <i>no</i>	121	121	121	121
Fraglich <i>Questionable</i>	0	1	0	1	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>	%
artus <i>Borrelia</i> LC Kit [20] (n = 18)	54	54 / 54	100	18	18 / 18	100
GeneProof <i>B. burg.</i> [21] (n = 18)	54	54 / 54	100	18	18 / 18	100
LightMix <i>Borrelia</i> [22] (n = 4)	11	11 / 12	92	4	4 / 4	100
Other/commercial tests [27] (n = 34)	102	102 / 102	100	34	34 / 34	100
<i>In house</i> PCR assay [28] (n = 48)	138	138 / 142 [§]	97	48	48 / 48	100
<i>Anderer/ k.A. / other</i> [29] (n = 2)	6	6 / 6	100	2	2 / 2	100

[§] Due to reporting questionable results, the number of true results (denominator in the „relative“ column) has been reduced.

* Durch Mehrfachnennung oder fehlende Angabe kann die absolute Zahl der Ergebnisse (Tab. 2) von der Anzahl der Teilnehmer abweichen.
 Due to reporting results of multiple assay systems or missing specifications, the effective numbers are not correlating with the number of participants