

**PCR-/NAT *Borrelia burgdorferi*
 (RV 535) November 2019**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1925351	++	61	<i>Borrelia afzelii</i> (~ 5x10 ⁴ organisms/mL)
1925352	+++	61	<i>Borrelia afzelii</i> (~ 5x10 ⁵ organisms/mL)
1925353	+	61	<i>Borrelia afzelii</i> (~ 5x10 ³ organisms/mL)
1925354	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 100</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	1925351	1925352	1925353	1925354		1925351	1925352	1925353	1925354
Befund <i>Result</i>									
Positiv	99	99	97	1	n.d.	0	0	0	0
Negativ	1	1	1	98	nein <i>no</i>	100	100	100	100
Fraglich <i>Questionable</i>	0	0	2	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	
	1925351		1925352		1925353		1925354	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
artus <i>Borrelia</i> LC Kit [20] (n = 7)	7	100	7	100	7	100	7	100
GeneProof <i>B. burg.</i> [21] (n = 12)	12	100	12	100	12	100	12	100
LightMix <i>Borrelia</i> [22] (n = 6)	6	100	6	100	6	100	6	100
Other/commercial tests [27] (n = 26)	26	100	26	100	26	100	25	100
<i>In house</i> PCR assay [28] (n = 49)	48	98	48	98	46	96	48	98