

**PCR-/NAT *Borrelia burgdorferi*
 (RV 535) November 2016**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1625351	++	61	<i>Borrelia garinii</i> OspA Typ3 (~ 1x10 ⁴ organisms/mL)
1625352	∅	62	<i>Escherichia coli</i> K12
1625353	+++	61	<i>Borrelia valaisiana</i> (~ 1x10 ⁵ organisms/mL)
1625354	++	61	<i>Borrelia bissettiae</i> (~ 1x10 ⁴ organisms/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 103</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>1625351</i>	<i>1625352</i>	<i>1625353</i>	<i>1625354</i>		<i>1625351</i>	<i>1625352</i>	<i>1625353</i>	<i>1625354</i>
Befund <i>Result</i>									
Positiv	101	0	97	99	n.d.	0	0	0	0
Negativ	2	103	6	4	nein <i>no</i>	103	103	103	103
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 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 = 20)	60	60 / 60	100	20	20 / 20	100
Demeditec GenFlow [21] (n = 3)	9	9 / 9	100	3	3 / 3	100
LightMix <i>Borrelia</i> [22] (n = 5)	15	15 / 15	100	5	5 / 5	100
Other/commercial tests [27] (n = 25)	73	73 / 75	97	25	25 / 25	100
<i>In house</i> PCR assay [28] (n = 53)	149	149 / 159	94	53	53 / 53	100
Anderer/ k.A. / other [29] (n = 1)	3	3 / 3	100	1	1 / 1	100

* 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