

**PCR-/NAT *Borrelia burgdorferi*  
 (RV 535) Nov 2020**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2025351	++	61	<i>Borrelia valaisiana</i> (~ 5x10 <sup>4</sup> organisms/mL)
2025352	∅	62	<i>Treponema phagedenis</i>
2025353	++	61	<i>Borrelia garinii</i> OspA Typ3 (~ 5x10 <sup>4</sup> organisms/mL)
2025354	∅	62	<i>Borrelia hispanica</i> (~ 1x10 <sup>5</sup> organisms/mL)

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

<i>n = 98</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	2025351	2025352	2025353	2025354	2025341	2025342	2025343	2025344	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	91	0	97	15	n.d.	1	1	1	1
<b>Negativ</b>	6	98	1	82	nein <i>no</i>	97	97	97	97
<b>Fraglich</b> <i>Questionable</i>	1	0	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.*

<b>NAT-Methode</b> [Code] (total number *)	<b>NAT richtig positiv</b> <i>True positive results</i>				<b>NAT richtig negativ</b> <i>True negative results</i>			
	2025351		2025353		2025352		2025354	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
HAIN FluoroType <i>Borrelia</i> (n = 6)	6	100	6	100	6	100	0	0
GeneProof <i>B. burgdorferi</i> (n = 16)	16	100	16	100	16	100	16	100
Gerbion diarella <i>Borrelia</i> (n = 4)	4	100	4	100	4	100	4	100
Mikrogen alphaCube <i>Borrelia</i> (n = 7)	6	86	7	100	7	100	7	100
LightMix <i>Borrelia</i> (n = 7)	7	100	7	100	7	100	5	71
Other commercial tests (n = 14)	14	100	14	100	14	100	14	100
<i>In house</i> PCR assay (n = 44)	38	86	43	98	44	100	36	82