

**PCR-/NAT *Legionella pneumophila*  
 (RV 536) Mai / Juni 2018**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1815361	∅	62	<i>Escherichia coli</i> K12
1815362	∅	62	<i>Legionella hackeliae</i> (~ 1x10 <sup>4</sup> CFU/mL)
1815363	∅	62	<i>Legionella hackeliae</i> (~ 1x10 <sup>3</sup> CFU/mL)
1815364	++	61	<i>Legionella pneumophila</i> SG2 (~ 1x10 <sup>4</sup> CFU/mL)

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

<i>n = 126</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>1815361</i>	<i>1815362</i>	<i>1815363</i>	<i>1815364</i>		<i>1815361</i>	<i>1815362</i>	<i>1815363</i>	<i>1815364</i>
<i>Befund Result</i>									
<b>Positiv</b>	1	6	5	120	n.d.	1	1	1	1
<b>Negativ</b>	125	120	121	5	nein no	125	125	125	125
<b>Fraglich Questionable</b>	0	0	0	1	ja yes	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>		
	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>
LightMix Legionella [20] (n = 9)	9	9 / 9	100	27	27 / 27	100
AID CAP Bacteria [21] (n = 3)	3	3 / 3	100	9	9 / 9	100
r-Biopharm RIDAGENE [22] (n = 7)	5	5 / 6 §	83	14	14 / 21	67
Other commercial tests [27] (n= 64)	62	62 / 64	97	189	189 / 192	98
<i>In house</i> PCR assay [28] (n= 41)	39	39 / 41	95	121	121 / 123	98
<i>Andere/ k.A. / other</i> [29] (n = 4)	4	4 / 4	100	12	12 / 12	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