

**PCR-/NAT *Legionella pneumophila*  
 (RV 536) November 2016**



**Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.**

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1625361	++	61	<i>Legionella pneumophila</i> SG2 (~ 1x10 <sup>4</sup> CFU/mL)
1625362	+	61	<i>Legionella pneumophila</i> SG2 (~ 1x10 <sup>3</sup> CFU/mL)
1625363	∅	62	<i>Escherichia coli</i> K12
1625364	+++	61	<i>Legionella pneumophila</i> SG2 (~ 1x10 <sup>5</sup> CFU/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>1625361</i>	<i>1625362</i>	<i>1625363</i>	<i>1625364</i>		<i>1625361</i>	<i>1625362</i>	<i>1625363</i>	<i>1625364</i>
<i>Befund Result</i>									
<b>Positiv</b>	<b>97</b>	<b>67</b>	<b>1</b>	<b>101</b>	n.d.	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Negativ</b>	<b>6</b>	<b>35</b>	<b>102</b>	<b>2</b>	nein no	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>
<b>Fraglich Questionable</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	ja yes	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**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 = 10)	<b>27</b>	27 / 30	<b>90</b>	<b>10</b>	10 / 10	<b>100</b>
GeneProof <i>L.pneumophila</i> [21] (n = 6)	<b>14</b>	14 / 18	<b>78</b>	<b>6</b>	6 / 6	<b>100</b>
Other commercial tests [27] (n= 44)	<b>106</b>	106 / 132	<b>80</b>	<b>43</b>	43 / 44	<b>98</b>
<i>In house</i> PCR assay [28] (n= 43)	<b>118</b>	118/ 128 <sup>§</sup>	<b>92</b>	<b>43</b>	43 / 43	<b>100</b>
<i>Anderer/ k.A. / other</i> [29] (n = 1)	<b>3</b>	3 / 3	<b>100</b>	<b>1</b>	1 / 1	<b>100</b>

<sup>§</sup> 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