

**PCR-/NAT *Legionella pneumophila*
 (RV 536) November 2015**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1525361	Ø	62	<i>Escherichia coli</i> K12
1525362	++	61	<i>Legionella pneumophila</i> SG2 (~ 1x10 ⁵ CFU/mL)
1525363	Ø	62	<i>Legionella micdadei</i> (~ 1x10 ⁶ CFU/mL)
1525364	Ø	62	<i>Legionella micdadei</i> (~ 1x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 104</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>1525361</i>	<i>1525362</i>	<i>1525363</i>	<i>1525364</i>		<i>1525361</i>	<i>1525362</i>	<i>1525363</i>	<i>1525364</i>
Befund <i>Result</i>									
Positiv	0	104	9	5	n.d.	1	1	1	1
Negativ	103	0	94	98	nein <i>no</i>	103	103	102	103
Fraglich <i>Questionable</i>	1	0	1	1	ja <i>yes</i>	0	0	1	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>	%
LightMix Legionella [25] (n = 9)	9	9 / 9	100	27	27 / 27	100
GeneProof <i>L.pneumophila</i> [26] (n = 5)	5	5 / 5	100	14	14 / 14 §	100
Other commercial tests [27] (n= 48)	48	48 / 48	100	136	136 / 142 §	96
<i>In house</i> PCR assay [28] (n= 43)	43	43 / 43	100	121	121 / 129	94

§ 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