

**PCR-/NAT *Mycoplasma pneumoniae*  
 (RV 541) November 2018**



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

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1825411	∅	62	<i>Escherichia coli</i> K12
1825412	+++	61	<i>Mycoplasma pneumoniae</i> (~ 1x10 <sup>5</sup> genome copies/mL)
1825413	∅	62	<i>Mycoplasma hominis</i> (~1x10 <sup>5</sup> genome copies/mL)
1825414	∅	62	<i>Escherichia coli</i> K12

**Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.**

*Absolute numbers of reported individual results.*

<i>n = 138</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	<i>1825411</i>	<i>1825412</i>	<i>1825413</i>	<i>1825414</i>	<i>1825411</i>	<i>1825412</i>	<i>1825413</i>	<i>1825414</i>	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	1	134	4	2	n.d.	1	1	1	1
<b>Negativ</b>	136	3	134	135	nein <i>no</i>	137	137	137	137
<b>Fraglich</b> <i>Questionable</i>	1	1	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>		
	<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 <i>M.pneumoniae</i> [20] (n = 16)	16	16 / 16	100	47	47 / 48	98
AID CAP Bacteria [21] (n = 5)	5	5 / 5	100	15	15 / 15	100
AmpliGnost MP PCR Kit [23] (n = 5)	5	5 / 5	100	15	15 / 15	100
Diagenode MP/CP [24] (n = 8)	8	8 / 8	100	24	24 / 24	100
r-Biopharm RIDAGENE Mp [25] (n = 7)	7	7 / 7	100	21	21 / 21	100
GeneProof <i>M. pneumoniae</i> [26] (n = 7)	6	6 / 7	86	19	19 / 21	90
Commercial assay / kit [27] (n = 51)	49	49 / 50 §	98	152	152 / 153	99
In house PCR assay [28] (n = 38)	38	38 / 38	100	110	110 / 113 §	97
Andere / k.A. / other [29] (n = 2)	1	1 / 2	50	6	6 / 6	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.