

**PCR-/NAT *Mycoplasma pneumoniae***  
**(RV 541) Juni 2017**



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

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1715411	∅	62	<i>Escherichia coli</i> K12
1715412	+++	61	<i>Mycoplasma pneumoniae</i> (~ 1x10 <sup>5</sup> genome copies/mL)
1715413	++	61	<i>Mycoplasma pneumoniae</i> (~ 1x10 <sup>4</sup> genome copies/mL)
1715414	∅	62	<i>Haemophilus influenzae</i> (~ 1x10 <sup>4</sup> CFU/mL)

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

*Absolute numbers of reported individual results.*

<i>n = 149</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	<i>1715411</i>	<i>1715412</i>	<i>1715413</i>	<i>1715414</i>	<i>1715411</i>	<i>1715412</i>	<i>1715413</i>	<i>1715414</i>	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	0	149	133	2	n.d.	1	1	1	1
<b>Negativ</b>	149	0	15	147	nein <i>no</i>	148	148	148	148
<b>Fraglich</b> <i>Questionable</i>	0	0	1	0	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 = 15)	26	26 / 29 §	90	30	30 / 30	100
Minerva Biolabs Venor Mp [22] (n = 1)	2	2 / 2	100	2	2 / 2	100
AmpliGnost MP PCR Kit [23] (n = 5)	10	10 / 10	100	10	10 / 10	100
Diagenode MP/CP [24] (n = 7)	13	13 / 14	93	13	13 / 14	93
r-Biopharm RIDAGENE Mp [25] (n = 7)	13	13 / 14	93	14	14 / 14	100
Commercial assay / kit [27] (n = 67)	127	127 / 134	95	133	133 / 134	99
In house PCR assay [28] (n = 46)	88	88 / 92	96	92	92 / 92	100
Andere / k.A. / other [29] (n = 2)	4	4 / 4	100	4	4 / 4	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.