

**PCR-/NAT *Mycoplasma pneumoniae*
 (RV 541) Mai 2016**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1615411	∅	62	<i>Escherichia coli</i> K12
1615412	+++	61	<i>Mycoplasma pneumoniae</i> (~ 10 ⁶ genome copies/mL)
1615413	+	61	<i>Mycoplasma pneumoniae</i> (~ 10 ⁴ genome copies/mL)
1615414	++	61	<i>Mycoplasma pneumoniae</i> (~ 10 ⁵ genome copies/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 143</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1615411	1615412	1615413	1615414	1615411	1615412	1615413	1615414	
Befund <i>Result</i>									
Positiv	0	141	136	141	n.d.	1	1	1	1
Negativ	143	1	7	1	nein <i>no</i>	142	142	142	142
Fraglich <i>Questionable</i>	0	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.

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 <i>M.pneumoniae</i> [20] (n =14)	41	41 / 42	98	14	14 / 14	100
Minerva Venor Mp [22] (n = 1)	3	3 / 3	100	1	1 / 1	100
AmpliGnost MP PCR Kit [23] (n = 7)	21	21 / 21	100	7	7 / 7	100
Diagenode MP/CP [24] (n = 10)	30	30 / 30	100	10	10 / 10	100
Commercial assay / kit [27] (n = 66)	191	191/196 §	97	66	66 / 66	100
<i>In house</i> PCR assay [28] (n = 47)	135	135/139 §	97	47	47 / 47	100

* 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.

§ Due to reporting questionable results, the number of true results (denominator in the „relative“ column) has been reduced.