

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1725411	++	61	<i>Mycoplasma pneumoniae</i> (~ 1x10 ⁴ genome copies/mL)
1725412	∅	62	<i>Escherichia coli</i> K12
1725413	+++	61	<i>Mycoplasma pneumoniae</i> (~ 1x10 ⁵ genome copies/mL)
1725414	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 122</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1725411	1725412	1725413	1725414	1725411	1725412	1725413	1725414	
Befund <i>Result</i>									
Positiv	116	2	119	0	n.d.	0	0	0	0
Negativ	6	119	3	122	nein <i>no</i>	122	122	122	122
Fraglich <i>Questionable</i>	0	1	0	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.

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 = 15)	29	29 / 30	97	29	29 / 30	97
Minerva Biolabs Venor Mp [22] (n = 2)	4	4 / 4	100	4	4 / 4	100
AmpliGnost MP PCR Kit [23] (n = 4)	8	8 / 8	100	7	7 / 7 §	100
Diagenode MP/CP [24] (n = 5)	10	10 / 10	100	9	9 / 10	90
r-Biopharm RIDAGENE Mp [25] (n = 4)	8	8 / 8	100	8	8 / 8	100
Commercial assay / kit [27] (n = 44)	83	83 / 88	94	88	88 / 88	100
<i>In house</i> PCR assay [28] (n = 44)	87	87 / 88	99	88	88 / 88	100
Andere / k.A. / other [29] (n = 5)	8	8 / 10	80	10	10 / 10	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.