

**PCR-/NAT *Mycoplasma pneumoniae*
 (RV 541) Mai 2014**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.
Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1415411	∅	62	<i>Escherichia coli</i> K12
1415412	+++	61	<i>Mycoplasma pneumoniae</i> (~ 10 ⁶ genome copies/mL)
1415413	∅	62	<i>Mycoplasma genitalium</i> (~ 10 ⁵ genome copies/mL)
1415414	++	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</i> = 135	Probennummer (Sample no.)				Inhibition				
	1415411	1415412	1415413	1415414	1415411	1415412	1415413	1415414	
Befund <i>Result</i>									
Positiv	1	135	9	133	n.d.	1	1	1	1
Negativ	134	0	125	2	nein <i>no</i>	134	134	134	134
Fraglich <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.

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 =13)	26	26 / 26	100	26	26 / 26	100
Minerva Venor Mp [22] (n = 1)	2	2 / 2	100	2	2 / 2	100
AmpliGnost MP PCR Kit [23] (n = 1)	2	2 / 2	100	2	2 / 2	100
Diagenode MP/CP [24] (n = 9)	18	18 / 18	100	18	18 / 18	100
Commercial assay / kit [27] (n = 48)	96	96 / 96	100	91	91 / 96	95
<i>In house</i> PCR assay [28] (n = 62)	122	122 / 124	98	119	119 / 123 §	97
Andere / k.A. / other [29] (n = 1)	2	2 / 2	100	1	1 / 2	50

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