

**PCR-/NAT *Mycoplasma pneumoniae*
 (RV 541) November 2010**



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

Gruppe A	Erwartet / expected		Probenzusammensetzung / Sample composition
1025411	∅	62	<i>Mycoplasma genitalium</i> (~ 10 ⁶ genome copies/mL)
1025412	+++	61	<i>Mycoplasma pneumoniae</i> (~ 5 x 10 ⁶ genome copies/mL)
1025413	∅	62	<i>Mycoplasma genitalium</i> (~ 10 ⁵ genome copies/mL)
1025414	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.
Absolute numbers of reported individual results.

n = 86	Probennummer (Sample no.)				Inhibition
	1025411	1025412	1025413	1025414	
Befund Result					
Positiv	9	86	8	2	n.d. 0
Negativ	76	0	77	83	nein no 86
Fraglich Questionable	1	0	1	1	ja yes 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 True positive results			NAT richtig negativ True negative results		
	Absolut Absolute	Relativ Relative	%	Absolut Absolute	Relativ Relative	%
LightMix <i>M.pneumoniae</i> [20] (n =5)	5	5 / 5	100	15	15 / 15	100
Qiagen <i>M.pneumoniae</i> [21] (n = 7)	7	7 / 7	100	21	21 / 21	100
Minerva Venor Mp [22] (n = 5)	5	5 / 5	100	15	15 / 15	100
Commercial assay / kit [27] (n = 18)	17	17 / 17 §	100	51	51 / 52 §	98
In house PCR assay [28] (n =49)	49	49 / 49	100	134	134 / 147	91
Andere / k.A. / other [29] (n = 2)	2	2 / 2	100	2	2 / 6	33

§ Due to reporting questionable results, the number of true results (denominator in the "relative" column) have been reduced