

**PCR-/NAT *Mycoplasma pneumoniae*
 (RV 541) November 2012**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1225411	∅	62	<i>Escherichia coli</i> K12
1225412	++	61	<i>Mycoplasma pneumoniae</i> (~ 10 ⁵ genome copies/mL)
1225413	∅	62	<i>Ureaplasma urealyticum</i> (~ 1x10 ⁴ CFU/mL)
1225414	+	61	<i>Mycoplasma pneumoniae</i> (~ 10 ⁴ genome copies/mL)

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

<i>n</i> = 99	Probennummer (Sample no.)				Inhibition				
Befund <i>Result</i>	1225411	1225412	1225413	1225414	1225411	1225412	1225413	1225414	
Positiv	1	97	5	96	n.d.	0	0	0	0
Negativ	98	2	93	3	nein <i>no</i>	99	99	99	99
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
Qiagen <i>M.pneumoniae</i> [21] (n = 3)	6	6 / 6	100	6	4 / 6	100
Minerva Venor Mp [22] (n = 1)	2	2 / 2	100	2	2 / 2	100
Commercial assay / kit [27] (n = 32)	62	62 / 64	97	60	60 / 64	94
<i>In house</i> PCR assay [28] (n = 48)	93	93 / 96	97	93	93 / 95 [§]	98
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