

**PCR-/NAT *Chlamydia pneumoniae*  
 (RV 540) Mai 2013**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1315401	∅	62	<i>Legionella pneumophila</i> SG3 (~ 1x10 <sup>6</sup> CFU/mL)
1315402	+++	61	<i>Chlamydia pneumoniae</i> (~ 1x10 <sup>6</sup> IFU/mL)
1315403	∅	62	<i>Escherichia coli</i> K12
1315404	(+)	61	<i>Chlamydia pneumoniae</i> (~ 1x10 <sup>3</sup> IFU/mL)

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

<i>n = 109</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	1315401	1315402	1315403	1315404	1315401	1315402	1315403	1315404	
<b>Positiv</b>	0	109	2	104	n.d.	1	1	1	1
<b>Negativ</b>	109	0	107	5 <sup>1)</sup>	nein no	108	108	108	108
<b>Fraglich Questionable</b>	0	0	0	0	ja yes	0	0	0	0

**Tabelle 3: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwenden verschiedener Methoden.**

*Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.*

<b>NAT-Methode</b> [Code] (total number *)	<b>NAT richtig positiv</b> <i>True positive results</i>			<b>NAT richtig negativ</b> <i>True negative results</i>		
	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>
TIB Molbiol LightMix CP [21] (n = 13)	26	26 / 26	100	26	26 / 26	100
Diagenode MP/CP [22] (n = 8)	15	15 / 16	94	16	16 / 16	100
AmpliGnost CP PCR Kit [23] (n = 2)	4	4 / 4	100	4	4 / 4	100
Other commercial tests [27] (n = 33)	64	64 / 66	97	65	65 / 66	98
<i>In house</i> PCR assay [28] (n = 51)	100	100 / 102	98	101	101 / 102	99
Andere / k.A. / other [29] (n = 3)	6	6 / 6	100	6	6 / 6	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.*

**Comments:** <sup>1)</sup> As sample #1315404 contained a very low number of *Chlamydia pneumoniae* target organisms, negative PCR results were not rated as "false negative", but the participants may consider to improve the analytical sensitivity of their corresponding PCR assays.