

**PCR-/NAT *Chlamydia pneumoniae*
 (RV 540) November 2016**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1625401	++	61	<i>Chlamydia pneumoniae</i> (~ 5x10 ⁴ IFU/mL)
1625402	+++	61	<i>Chlamydia pneumoniae</i> (~ 5x10 ⁵ IFU/mL)
1625403	+	61	<i>Chlamydia pneumoniae</i> (~ 5x10 ³ IFU/mL)
1625404	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 108</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1625401	1625402	1625403	1625404	1625401	1625402	1625403	1625404	
Befund <i>Result</i>									
Positiv	106	107	100	2	n.d.	0	0	0	0
Negativ	2	1	8 ¹⁾	106	nein <i>no</i>	108	108	108	108
Fraglich <i>Questionable</i>	0	0	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>	%
TIB Molbiol LightMix CP [21] (n = 11)	33	33 / 33	100	11	11 / 11	100
Diagenode MP/CP [22] (n = 6)	17	17 / 18	94	6	6 / 6	100
AmpliGnost CP PCR Kit [23] (n = 7)	21	21 / 21	100	7	7 / 7	100
Other commercial tests [27] (n = 46)	132	132 / 138	96	45	45 / 46	98
<i>In house</i> PCR assay [28] (n = 38)	110	110 / 114	96	37	37 / 38	97
Andere / k.A. / <i>other</i> [29] (n = 1)	3	3 / 3	100	1	1 / 1	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: ¹⁾ As sample #1625403 contained a low number of *Chlamydia pneumoniae* target organisms, negative PCR results were not rated "false negative" in this EQAS distribution.