

**PCR-/NAT *Chlamydia pneumoniae*
 (RV 540) November 2022**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2225401	∅	62	<i>Mycoplasma pneumoniae</i> (~1x10 ⁴ CFU/mL)
2225402	++++	61	<i>Chlamydia pneumoniae</i> (~ 2x10 ⁶ IFU/mL)
2225403	∅	62	<i>Escherichia coli</i> K12
2225404	+++	61	<i>Chlamydia pneumoniae</i> (~ 2x10 ⁵ IFU/mL)

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

<i>n = 127</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>2225401</i>	<i>2225402</i>	<i>2225403</i>	<i>2225404</i>		<i>2225401</i>	<i>2225402</i>	<i>2225403</i>	<i>2225404</i>
Befund <i>Result</i>									
Positiv	2	127	2	125	n.d.	0	0	0	0
Negativ	125	0	125	2	nein <i>no</i>	127	127	127	127
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>			
	2225402		2225404		2225401		2225403	
	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>
AID CAP bacteria (n = 7)	7	100	7	100	7	100	7	100
ARGENE Chla/Myco pneumo (n = 6)	6	100	6	100	6	100	6	100
Amplex eazyplex PneumoBug exp. (n = 2)	2	100	2	100	1	50	2	100
AmpliGnost C. pneumoniae (n = 5)	5	100	5	100	5	100	5	100
AmpliSens M.pn./C.pn. FRT PCR (n = 2)	2	100	2	100	2	100	2	100
FILMARRAY Resp. Panel 2.1 plus (n = 2)	2	100	2	100	2	100	2	100
BioGx auf BD Max (n = 8)	8	100	8	100	8	100	8	100

Biologio ReadyMax b-CAP Assay (n = 3)	3	100	3	100	3	100	3	100
FTD Atypical CAP (n = 1)	1	100	1	100	1	100	1	100
GeneProof C. pneumoniae (n = 12)	12	100	12	100	12	100	12	100
Ingenetix Bacto Real C. pn. (n = 1)	1	100	1	100	1	100	1	100
Mikrogen Diagenode M.pn / C. pn (n = 1)	1	100	1	100	1	100	1	100
ampliCube Resp. panel 1 (n =10)	10	100	10	100	10	100	10	100
Sacace M.pn. /C. pn. Real-TM (n = 1)	1	100	1	100	1	100	1	100
Seegene Allplex Resp. Panel 4 (n = 14)	14	100	13	93	13	93	13	93
LightMix C. pneumoniae (n = 10)	10	100	9	90	10	100	9	90
r-Biopharm RIDAGENE CAP Bac (n = 4)	4	100	4	100	4	100	4	100
In house PCR assay (n = 29)	29	100	29	100	29	100	29	100
Other commercial tests (n = 9)	9	100	9	100	9	100	9	100

Comments:

1. Unter "Andere kommerzielle Testsysteme" sind folgende Testsysteme aufgeführt: Seegene Allplex PneumoBacter assay (2x), PathoFinder RespiFinder 2Smart (1x), MIKROGEN ampliCube Respiratory Bacterial Panel 1.1 (1x), AusDiagnostics Respiratory Pathogens 24-well (1x), AusDiagnostics Atypical Pneumonia 8-well (1x), CerTest VIASURE (1x) und Anatolia Gene works (1x).