

**PCR-/NAT *Chlamydia pneumoniae*
 (RV 540) November 2024**



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

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
540A 241015 01	+++	61	<i>Chlamydia pneumoniae</i> (~ 1x10 ⁵ IFU/mL)
540A 241015 02	++	61	<i>Chlamydia pneumoniae</i> (~ 1x10 ⁴ IFU/mL)
540A 241015 03	∅	62	<i>Chlamydia trachomatis</i> (~ 1x10 ⁵ IFU/mL)
540A 241015 04	∅	62	<i>Escherichia coli</i> K12

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

n = 135	Proben Nr. (Sample no.)					Inhibition			
	01	02	03	04		01	02	03	04
Befund <i>Result</i>									
Positiv	135	133	0	0	n.d.	1	1	1	1
Negativ	0	2	135	135	nein <i>no</i>	134	134	134	134
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>			
	01		02		03		04	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
AID CAP bacteria (n= 4)	4	100	4	100	4	100	4	100
ARGENE C.pn / M.pn r-gene (n= 5)	5	100	5	100	5	100	5	100
Amplex eazyplex PneumoBug exp. (n= 4)	4	100	4	100	4	100	4	100
AmpliGnost C. pneumoniae (n= 4)	4	100	4	100	4	100	4	100
AusDiagnostics Resp. Pathogens 24-well (n= 2)	2	100	2	100	2	100	2	100
BioGx auf BD Max (n= 6)	6	100	6	100	6	100	6	100
FILMARRAY Resp. Panel 2.1 plus (n= 2)	2	100	2	100	2	100	2	100
Biolegio ReadyMax b-CAP Assay (n= 2)	2	100	2	100	2	100	2	100
GeneProof C. pneumoniae (n= 7)	7	100	7	100	7	100	7	100

Luminex Resp. Pathogen Multiplex (n= 4)	4	100	4	100	4	100	4	100
ampliCube Resp. panel 1.1 / 1.1LC (n= 13)	13	100	12	92	13	100	13	100
QIAstat-Dx Resp. Sars CoV-2 panel (n= 3)	3	100	2	67	3	100	3	100
Sacace M.pn. /C. pn. Real-TM (n= 1)	1	100	1	100	1	100	1	100
Seegene Allplex Pneumobacter (n= 12)	12	100	12	100	12	100	12	100
Seegene Allplex Resp. Panel 4 (n= 18)	18	100	18	100	18	100	18	100
LightMix C. pneumoniae (n= 9)	9	100	9	100	9	100	9	100
r-Biopharm RIDAGENE CAP Bac (n= 10)	10	100	10	100	10	100	10	100
In house PCR assay (n= 19)	19	100	19	100	19	100	19	100
Other commercial tests (n= 10)	10	100	10	100	10	100	10	100

The following tests are listed under "Other commercial tests": CerTest VIASURE C. pneumonia, M. pneumonia and L. pneumophila Real Time PCR Detection Kit (CML172) (2x), Roche UC-TIB-Respi-Bac2 (L.pn, C.pn, M.pn) (2x), Anatolia Gene Works Bosphore C. pneumoniae Detection Kit (1x), ELITechGroup Respiratory Bacterial ELITe MGB Panel (1x), Luminex NxTAG Respiratory Pathogen Panel + SARS-CoV-2 (1x), PathoFinder RespiFinder 2Smart (1x), Roche COBAS 5800 (1x) and r-Biopharm RIDAUNITY CAP Bac RUO (1x).