

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



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2215401	++	61	<i>Chlamydia pneumoniae</i> (~ 5x10 <sup>4</sup> IFU/mL)
2215402	∅	62	<i>Legionella pneumophila</i> (~5x10 <sup>4</sup> CFU/mL)
2215403	+++	61	<i>Chlamydia pneumoniae</i> (~ 5x10 <sup>5</sup> IFU/mL)
2215404	∅	62	<i>Escherichia coli</i> K12

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

<i>n = 143</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>2215401</i>	<i>2215402</i>	<i>2215403</i>	<i>2215404</i>		<i>2215401</i>	<i>2215402</i>	<i>2215403</i>	<i>2215404</i>
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	142	2	141	5	n.d.	2	2	2	2
<b>Negativ</b>	1	141	2	137	nein <i>no</i>	141	141	141	141
<b>Fraglich</b> <i>Questionable</i>	0	0	0	1	ja <i>yes</i>	0	0	0	0

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

<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>2215401</b>		<b>2215403</b>		<b>2215402</b>		<b>2215404</b>	
	<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)	6	86	6	86	6	86	6	86
ARGENE C.pn / M.pn r-gene (n = 7)	7	100	7	100	7	100	7	100
Amplex eazyplex PneumoBug exp. (n = 2)	2	100	2	100	1	50	2	100
AmpliGnost C. pneumoniae (n = 7)	7	100	7	100	7	100	7	100
AmpliSens M.pn./C.pn. FRT PCR (n = 3)	3	100	3	100	3	100	3	100
FILMARRAY Resp. Panel 2.1 plus (n = 3)	3	100	3	100	3	100	3	100
BioGx auf BD Max (n = 7)	7	100	7	100	7	100	6	86
Biologio ReadyMax b-CAP Assay (n = 1)	1	100	1	100	1	100	1	100

<b>FTD Atypical CAP (n = 1)</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>
<b>GeneProof C. pneumoniae (n = 13)</b>	<b>13</b>	<b>100</b>	<b>13</b>	<b>100</b>	<b>13</b>	<b>100</b>	<b>13</b>	<b>100</b>
<b>Ingenetix Bacto Real C. pn.(n = 2)</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>
<b>Luminex Resp. Pathogen Multiplex (n = 1)</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>100</b>
<b>Mikrogen Diagenode M.pn / C. pn (n = 2)</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>	<b>2</b>	<b>100</b>
<b>Mikrogen ampliCube Resp. panel 1 (n =10)</b>	<b>10</b>	<b>100</b>	<b>10</b>	<b>100</b>	<b>10</b>	<b>100</b>	<b>9</b>	<b>90</b>
<b>Sacace M.pn. /C. pn. Real-TM (n = 4)</b>	<b>4</b>	<b>100</b>	<b>4</b>	<b>100</b>	<b>4</b>	<b>100</b>	<b>4</b>	<b>100</b>
<b>Seegene Allplex Resp. Panel 4 (n = 14)</b>	<b>14</b>	<b>100</b>	<b>13</b>	<b>93</b>	<b>14</b>	<b>100</b>	<b>13</b>	<b>93</b>
<b>LightMix C. pneumoniae (n = 12)</b>	<b>12</b>	<b>100</b>	<b>12</b>	<b>100</b>	<b>12</b>	<b>100</b>	<b>12</b>	<b>100</b>
<b>r-Biopharm RIDAGENE CAP Bac (n = 4)</b>	<b>4</b>	<b>100</b>	<b>4</b>	<b>100</b>	<b>4</b>	<b>100</b>	<b>4</b>	<b>100</b>
<b>In house PCR assay (n = 33)</b>	<b>33</b>	<b>100</b>	<b>33</b>	<b>100</b>	<b>33</b>	<b>100</b>	<b>32</b>	<b>97</b>
<b>Other commercial tests (n = 10)</b>	<b>10</b>	<b>100</b>	<b>10</b>	<b>100</b>	<b>10</b>	<b>100</b>	<b>9</b>	<b>90</b>

**Comments:**

1. Unter "Andere kommerzielle Testsysteme" sind folgende Testsysteme aufgeführt: Seegene Allplex PneumoBacter assay (1x), PathoFinder RespiFinder 2Smart (1x), AusDiagnostics (2x), AusDiagnostics Atypical Pneumonia 8-well (1x), Fast Track Diagnostics FTD Bacterial pneumonia CAP (1x), CerTest VIASURE C. pneumonia, M. pneumonia and L. pneumophila Real Time PCR Detection Kit -CML172- (1x), Anatolia Gene works (1x) und DNA-TECHNOLOGY C.pn / M.pn multiplex Real Time PCR Kit (1x) und