

**PCR-/NAT *Mycoplasma pneumoniae*  
 (RV 541) Mai 2021**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2115411	+	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 <sup>3</sup> genome copies/mL)
2115412	++	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 <sup>4</sup> genome copies/mL)
2115413	∅	62	<i>Escherichia coli</i> K12
2115414	+++	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 <sup>5</sup> genome copies/mL)

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

<i>n = 149</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	2115411	2115412	2115413	2115414	2115411	2115412	2115413	2115414	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	146	149	3	149	n.d.	1	1	1	1
<b>Negativ</b>	3	0	146	0	nein <i>no</i>	148	148	148	148
<b>Fraglich</b> <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 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>	
	2115411		2115412		2115414		2115413	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
AID CAP bacteria (n = 7)	7	100	7	100	7	100	7	100
ARGENE C.pn / M.pn r-gene (n = 8)	8	100	8	100	8	100	8	100
AmpliGnost M. pneumoniae (n = 5)	5	100	5	100	5	100	5	100
BioGx auf BD Max (n = 7)	7	100	7	100	7	100	7	100
GeneProof M. pneumoniae (n = 10)	10	100	10	100	10	100	10	100
Luminex MagPix Resp. Pathogen (n = 5)	5	100	5	100	5	100	5	100
Mikrogen ampliCube Resp. panel 1 (n=8)	8	100	8	100	8	100	8	100
Seegene Allplex Resp. Panel 4 (n = 13)	13	100	13	100	13	100	13	100
LightMix M. pneumoniae (n = 12)	12	100	12	100	12	100	12	100

<b>RIDAGENE <i>M. pneumoniae</i> (n = 5)</b>	<b>5</b>	<b>100</b>	<b>5</b>	<b>100</b>	<b>5</b>	<b>100</b>	<b>5</b>	<b>100</b>
<b>Other commercial tests (n = 29)</b>	<b>28</b>	<b>97</b>	<b>29</b>	<b>100</b>	<b>29</b>	<b>100</b>	<b>27</b>	<b>93</b>
<b><i>In house</i> PCR assay (n = 40)</b>	<b>38</b>	<b>95</b>	<b>40</b>	<b>100</b>	<b>40</b>	<b>100</b>	<b>39</b>	<b>98</b>