

**PCR-/NAT *Mycoplasma pneumoniae*
 (RV 541) Mai 2020**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2015411	+++	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 ⁵ genome copies/mL)
2015412	∅	62	<i>Escherichia coli</i> K12
2015413	∅	62	<i>Chlamydia pneumoniae</i> (~ 5x10 ⁵ IFU/mL)
2015414	+	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 ³ genome copies/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 160</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	2015411	2015412	2015413	2015414	2015411	2015412	2015413	2015414	
Befund <i>Result</i>									
Positiv	158	6	6	154	n.d.	1	1	1	1
Negativ	1	153	153	5 ¹⁾	nein <i>no</i>	158	158	158	158
Fraglich <i>Questionable</i>	1	1	1	1	ja <i>yes</i>	1	1	1	1

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.

NAT-Methode [Code] (total number)	NAT richtig positiv <i>True positive results</i>				NAT richtig negativ <i>True negative results</i>			
	2015411		2015414		2015412		2015413	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
AID CAP bacteria (n = 6)	6	100	6	100	6	100	6	100
ARGENE C.pn / M.pn r-gene (n = 6)	5	83	4	67	5	83	4	67
AmpliGnost <i>M. pneumoniae</i> (n = 6)	6	100	6	100	6	100	6	100
FTD Atypical CAP (n = 2)	2	100	2	100	2	100	2	100
GeneProof <i>M. pneumoniae</i> (n = 10)	10	100	10	100	10	100	10	100
Mikrogen Diagenode <i>M.pn/ C.pn</i> (n = 3)	3	100	3	100	3	100	3	100
Seegene Allplex Resp. Panel 4 (n = 11)	11	100	11	100	11	100	11	100
LightMix <i>M.pneumoniae</i> (n = 16)	16	100	15	94	16	100	16	100
RIDAGENE <i>M.pneumoniae</i> (n = 7)	7	100	6	85	7	100	7	100

Other commercial tests (n = 52)	51	98	50	96	47	90	49	94
<i>In house</i> PCR assay (n = 41)	41	100	41	100	40	98	39	95