

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2025411	∅	62	<i>Escherichia coli</i> K12
2025412	++	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 ⁴ genome copies/mL)
2025413	+	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 ³ genome copies/mL)
2025414	+++	61	<i>Mycoplasma pneumoniae</i> (~ 5x10 ⁵ genome copies/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 136</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>2025411</i>	<i>2025412</i>	<i>2025413</i>	<i>2025414</i>		<i>2025411</i>	<i>2025412</i>	<i>2025413</i>	<i>2025414</i>
<i>Befund Result</i>									
Positiv	3	134	128	135	n.d.	0	0	0	0
Negativ	133	2	8	1	nein no	136	136	136	136
Fraglich Questionable	0	0	0	0	ja yes	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	
	2025412		2025413		2025414		2025411	
	<i>Absolut Absolute</i>	<i>%</i>	<i>Absolut Absolute</i>	<i>%</i>	<i>Absolut Absolute</i>	<i>%</i>	<i>Absolut Absolute</i>	<i>%</i>
AID CAP bacteria (n = 5)	5	100	5	100	5	100	5	100
ARGENE C.pn / M.pn r-gene (n = 7)	7	100	7	100	7	100	7	100
AmpliGnost <i>M. pneumoniae</i> (n = 5)	5	100	5	100	5	100	5	100
BioGx auf BD Max (n = 6)	6	100	6	100	6	100	6	100
GeneProof <i>M. pneumoniae</i> (n = 8)	8	100	6	75	8	100	8	100
Mikrogen ampliCube Resp. Panel 1(n=9)	9	100	9	100	8	89	9	100

Alethia Mycoplasma direct (n = 5)	5	100	4	80	5	100	5	100
Seegene Allplex Resp Panel 4 (n = 12)	11	92	11	92	12	100	12	100
LightMix M. pneumoniae (n = 12)	12	100	12	100	12	100	12	100
RIDAGENE M. pneumoniae (n = 6)	6	100	6	100	6	100	6	100
Other commercial tests (n = 25)	25	100	23	92	25	100	23	92
<i>In house</i> PCR assay (n = 36)	35	97	34	94	36	100	35	97