

**PCR-/NAT *Mycoplasma pneumoniae*
 (RV 541) Mai / Juni 2019**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1915411	∅	62	<i>Mycoplasma genitalium</i> (~ 1x10 ⁵ genome copies/mL)
1915412	+	61	<i>Mycoplasma pneumoniae</i> (~ 1x10 ⁴ genome copies/mL)
1915413	+++	61	<i>Mycoplasma pneumoniae</i> (~ 1x10 ⁶ genome copies/mL)
1915414	∅	62	<i>Escherichia coli</i> K12

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

<i>n = 158</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>1915411</i>	<i>1915412</i>	<i>1915413</i>	<i>1915414</i>		<i>1915411</i>	<i>1915412</i>	<i>1915413</i>	<i>1915414</i>
Befund <i>Result</i>									
Positiv	4	153	158	2	n.d.	1	1	1	1
Negativ	154	4	0	156	nein <i>no</i>	157	157	157	157
Fraglich <i>Questionable</i>	0	1	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>		
	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%
LightMix <i>M.pneumoniae</i> [20] (n = 15)	30	30 / 30	100	30	30 / 30	100
AID CAP Bacteria [21] (n = 3)	6	6 / 6	100	6	6 / 6	100
AmpliGnost MP PCR Kit [23] (n = 6)	12	12 / 12	100	12	12 / 12	100
Diagenode MP/CP [24] (n = 6)	12	12 / 12	100	12	12 / 12	100
r-Biopharm RIDAGENE Mp [25] (n = 9)	18	18 / 18	100	18	18 / 18	100
GeneProof <i>M. pneumoniae</i> [26] (n = 12)	24	24 / 24	100	24	24 / 24	100
Commercial assay / kit [27] (n = 57)	112	112 / 114	98	112	112 / 114	98
<i>In house</i> PCR assay [28] (n = 45)	88	88 / 89 §	99	87	87 / 90	97
Anderer / k.A. / other [29] (n = 6)	11	11 / 12	92	11	11 / 12	92

§ Due to reporting questionable results, the number of true results (denominator in the „relative“ column) has been reduced.

* Durch Mehrfachnennung oder fehlende Angabe kann die absolute Zahl der Ergebnisse (Tab. 2) von der Anzahl der Teilnehmer abweichen.
 Due to reporting results of multiple assay systems or missing specifications, the effective numbers are not correlating with the number of participants.