PCR-/NAT *Mycoplasma pneumoniae* (RV 541) November 2019
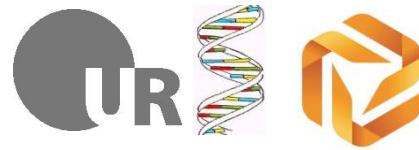
Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.
Sample composition and expected results.

	Erwartet / *expected*		**Probenzusammensetzung** / *Sample composition*
1925411	**++**	**61**	***Mycoplasma pneumoniae* (~ 5x10^4 genome copies/mL)**
1925412	**Ø**	**62**	***Escherichia coli* K12**
1925413	**+++**	**61**	***Mycoplasma pneumoniae* (~ 5x10^5 genome copies/mL)**
1925414	**+**	**61**	***Mycoplasma pneumoniae* (~ 5x10^3 genome copies/mL)**

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

n = 139	**Probennummer** (Sample no.)					**Inhibition**			
Befund *Result*	**1925411**	**1925412**	**1925413**	**1925414**		**1925411**	**1925412**	**1925413**	**1925414**
Positiv	138	2	138	133	**n.d.**	0	0	0	0
Negativ	1	137	1	6[1]	**nein** *no*	139	139	139	139
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** *True positive results*						**NAT richtig negativ**	
	1925411		**1925413**		**1925414**		**1925412**	
	Absolut *Absolute*	**%**	**Absolut** *Absolute*	**%**	**Absolut** *Absolute*	**%**	**Absolut** *Absolute*	**%**
LightMix *M.pneumoniae* [20] (n = 15)	14	93	15	100	15	100	15	100
AID CAP Bacteria [21] (n = 5)	5	100	5	100	5	100	5	100
AmpliGnost MP PCR Kit [23] (n = 6)	6	100	6	100	6	100	6	100
Diagenode MP/CP [24] (n = 3)	3	100	3	100	3	100	2	67
r-Biopharm RIDAGENE Mp [25] (n = 6)	6	100	6	100	6	100	6	100
GeneProof *M. pneumoniae* [26] (n = 8)	8	100	8	100	7	88	8	100
Commercial assay / kit [27] (n = 58)	58	100	57	98	54	93	57	98
***In house* PCR assay [28] (n = 38)**	38	100	38	100	37	97	38	100

Comments: [1] As sample #1925414 contained a low number of *Mycoplasma pneumoniae* target organisms, negative PCR results were not rated "false negative" in this EQAS distribution.