

PCR-/NAT *Mycoplasma pneumoniae* (RV 541) Mai 2026



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected	Probenzusammensetzung / Sample composition
541 260519 01	+++	61 <i>Mycoplasma pneumoniae</i> (~ 5x10 ⁵ genome copies/mL)
541 260519 02	+++	61 <i>Mycoplasma pneumoniae</i> (~ 1x10 ⁶ genome copies/mL)
541 260519 03	Ø	62 <i>Escherichia coli</i> K12
541 260519 04	++	61 <i>Mycoplasma pneumoniae</i> (~ 1x10 ⁵ genome copies/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 163	Proben Nr. (Sample no.)				Inhibition			
Befund Result	01	02	03	04	01	02	03	04
Positiv	163	163	0	160	n.d.	3	3	3
Negativ	0	0	163	3	nein no	160	160	160
Fraglich Questionable	0	0	0	0	ja yes	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.

NAT-Methode [Code] (total number)	NAT richtig positiv True positive results						NAT richtig negativ	
	01		02		04		03	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
AID CAP Bac PCR Kit (n = 3)	3	100	3	100	3	100	3	100
ARGENE Chla/Myco pneumo R-GENE (n = 3)	3	100	3	100	3	100	3	100
Amplex eazypex PneumoBug expert (n = 3)	3	100	3	100	3	100	3	100
AmpliGnost M. pneumoniae (n = 1)	1	100	1	100	1	100	1	100
AmpliSens M.pn./C.pn. FRT Kit (n = 1)	1	100	1	100	1	100	1	100
BioGX for BD MAX M.pn, L.pn, C.pn, Pneumocystis jirovecii (n= 2)	2	100	2	100	2	100	2	100
BioGX for BD MAX M.pn, L.pn, C.pn (n= 5)	5	100	5	100	5	100	5	100
FILMARRAY Resp. Panel 2.1 plus (n= 4)	4	100	4	100	4	100	4	100

Biolegio ReadyMax b-CAP Assay (n = 2)	2	100	2	100	1	50	2	100
CerTest VIASURE C.pn, M.pn, L.pn (n = 6)	6	100	6	100	6	100	6	100
Respiratory Bacterial ELITe MGB Panel (n= 4)	4	100	4	100	4	100	4	100
FTD Respiratory Pathogens 21 (n = 1)	1	100	1	100	1	100	1	100
GeneProof M. pneumoniae (n = 7)	7	100	7	100	7	100	7	100
EasyScreen Resp. Pathogen Detection (n= 1)	1	100	1	100	1	100	1	100
Luminex NxTAG Respiratory Pathogen (n = 3)	3	100	3	100	2	67	3	100
ampliCube Resp. panel 1.1 /1.1LC (n = 13)	13	100	13	100	13	100	13	100
Alethia Mycoplasma direct (n = 2)	2	100	2	100	2	100	2	100
QIAGEN QIAstat-Dx ME Panel (n = 3)	3	100	3	100	3	100	3	100
QIAstat-Dx Resp. Sars CoV-2 panel (n = 3)	3	100	3	100	3	100	3	100
Roche UC-TIB-Respi-BAC-2 (n= 12)	12	100	12	100	12	100	12	100
Sartorius Microsart ATMP Mycoplasma (n = 3)	3	100	3	100	3	100	3	100
Seegene Allplex Pneumobacter (n = 18)	18	100	18	100	18	100	18	100
Seegene Allplex Resp. Panel 4 (n = 18)	18	100	18	100	18	100	18	100
TIB Molbiol Modular M. pneumoniae (n = 4)	4	100	4	100	4	100	4	100
r-Biopharm RIDAGENE M. pneumoniae (n= 1)	1	100	1	100	1	100	1	100
RIDAGENE or RIDAUNITY CAP Bac (n= 7)	7	100	7	100	7	100	7	100
In house PCR assay (n = 22)	22	100	22	100	21	95	22	100
Other commercial tests (n = 11)	11	100	11	100	11	100	11	100

Comments:

- The following tests are listed under "Other commercial tests": Altona FlexStar MP & CP PCR Detection Mix 1.5 (1x), Anatolia Geneworks Bosphore M. pneumoniae Detection Kit v1 (1x), Bioeksens (1x), BioGX for BD MAX M. pneumoniae, Legionella spp., C. pneumoniae, C. psittaci (1x), DNA-TECHNOLOGY C. pneumoniae, M. pneumoniae multiplex (1x), EasyNAT MP Assay (1x), Macro & Micro Real time fluorescen RT-PCR kit for detecting six kinds of respiratory pathogens (1x), PathoFinder RespiFinder 2Smart (1x), Roche UC-TIB-Respi-BAC-1 (1x) and Roche UC-TIB-Respi-BAC-4 (1x).