

PCR-/NAT *Legionella pneumophila* (RV 536) Nov 2025



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
536A 251014 01	Ø	62	<i>Escherichia coli</i> K12
536A 251014 02	+++	61	<i>Legionella pneumophila</i> SG7 (~ 5x10 ⁵ CFU/mL)
536A 251014 03	Ø	62	<i>Legionella jordanis</i> (~ 1x10 ⁵ CFU/mL)
536A 251014 04	+	61	<i>Legionella pneumophila</i> SG1 (~ 5x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 131	Proben Nr. (<i>Sample no.</i>)			
Befund <i>Result</i>	01	02	03	04
Positiv	1	131	1	129
Negativ	130	0	130	2
Fraglich <i>Questionable</i>	0	0	0	0

	Inhibition			
	01	02	03	04
n.d.	2	2	2	2
nein <i>no</i>	129	129	129	129
ja <i>yes</i>	0	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 True negative results			
	02		03		01		04	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
AID CAP Bacteria (n= 3)	3	100	3	100	3	100	3	100
ARGENE L. pneumo/Cc R-GENE (n= 2)	2	100	2	100	2	100	2	100
Amplex eazypex PneumoBug expert (n= 4)	4	100	4	100	4	100	3	75
AmpliGnost L. pneumophila (n= 3)	3	100	3	100	3	100	3	100
BioGx auf BD Max (n= 6)	6	100	6	100	5	83	5	83
BioFire FILMARRAY PN plus (n= 1)	1	100	1	100	1	100	1	100
ReadyMax Atypical Pneumonia 1 (n= 1)	1	100	1	100	1	100	1	100

ReadyMax b-CAP Assay (n= 2)	2	100	2	100	2	100	2	100
CerTest VIASURE C.pn, M.pn, L.pn (n= 1)	1	100	1	100	1	100	1	100
GeneProof L. pneumophila (n= 7)	7	100	7	100	7	100	7	100
Gerbion Diarella Legionella (n= 1)	1	100	1	100	1	100	1	100
Ingenetix BactoReal L. pneumophila (n= 1)	1	100	1	100	1	100	1	100
Luminex Resp. Pathogen Panel (n= 5)	5	100	5	100	5	100	5	100
ampliCube Resp. panel 1.1/1.1LC (n= 11)	11	100	11	100	11	100	11	100
QIAstat-Dx Resp. Sars-CoV-2 (n= 3)	3	100	3	100	3	100	3	100
Roche UC-TIB-Respi-BAC-2 (n= 5)	5	100	5	100	5	100	5	100
Seegene Allplex Pneumobacter (n= 13)	13	100	13	100	13	100	13	100
Seegene Allplex Resp. Panel 4 (n= 20)	20	100	20	100	20	100	20	100
TIB Molbiol LightMix Legionella pn. (n= 4)	4	100	4	100	4	100	4	100
RIDAGENE CAP Bac (n= 4)	4	100	4	100	4	100	4	100
r-Biopharm RIDAGENE Legionella Kit (n= 8)	8	100	8	100	8	100	8	100
In house PCR assay (n= 16)	16	100	16	100	16	100	16	100
Other commercial tests (n= 10)	10	100	9	90	10	100	10	100

Comments:

1. The following tests are listed under "Other commercial tests": Bioeksen Bio-Speedy Legionella spp, L. pneumophila Real-Time PCR (2x), DNA Technology L. pneumophila real-time PCR Detection Kit (1x), ELITechGroup Respiratory Bacterial ELITe MGB Panel (2x), Genesig Realtime PCR Detection for L.pn (1x), MIKROGEN alphaCube Legionella (1x), PathoFinder RespiFinder 2Smart (1x), r-Biopharm RIDAUNITY CAP Bac (1x) and Roche cobas 6800 (1x).
2. Only Legionella spp. detection was performed by one laboratory.