

**PCR-/NAT *Legionella pneumophila*
 (RV 536) Mai 2020**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2015361	+++	61	<i>Legionella pneumophila</i> SG14 (~ 1x10 ⁵ CFU/mL)
2015362	∅	62	<i>Escherichia coli</i> K12
2015363	++	61	<i>Legionella pneumophila</i> SG1 (~ 1x10 ⁴ CFU/mL)
2015364	∅	62	<i>Legionella bozemanii</i> (~ 5x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 120</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>2015361</i>	<i>2015362</i>	<i>2015363</i>	<i>2015364</i>		<i>2015361</i>	<i>2015362</i>	<i>2015363</i>	<i>2015364</i>
Befund <i>Result</i>									
Positiv	120	0	119	11	n.d.	0	0	0	0
Negativ	0	120	1	109	nein <i>no</i>	120	120	120	120
Fraglich <i>Questionable</i>	0	0	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>			
	2015361		2015363		2015362		2015364	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
AID CAP Bacteria (n = 4)	4	100	4	100	4	100	4	100
AmpliGnost <i>L. pneumophila</i> (n = 5)	5	100	5	100	5	100	5	100
GeneProof <i>L. pneumophila</i> (n = 6)	6	100	6	100	6	100	5	83
Seegene Allplex Resp. Panel 4 (n = 12)	12	100	12	100	12	100	12	100
Tib Molbiol LightMix Legionella (n = 10)	10	100	9	90	10	100	10	100
r-Biopharm RIDAGENE Legionella (n = 10)	10	100	10	100	10	100	10	100
Other commercial tests (n = 44)	44	100	44	100	44	100	35	80
<i>In house</i> PCR assay (n = 29)	29	100	29	100	29	100	28	97