

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2025361	+	61	<i>Legionella pneumophila</i> SG1 (~ 1x10 ⁴ CFU/mL)
2025362	∅	62	<i>Escherichia coli</i> K12
2025363	+++	61	<i>Legionella pneumophila</i> SG1 (~ 5x10 ⁵ CFU/mL)
2025364	+++	61	<i>Legionella pneumophila</i> SG1 (~ 5x10 ⁵ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 109</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>2025361</i>	<i>2025362</i>	<i>2025363</i>	<i>2025364</i>		<i>2025361</i>	<i>2025362</i>	<i>2025363</i>	<i>2025364</i>
<i>Befund Result</i>									
<i>Positiv</i>	106	0	107	107	n.d.	1	1	1	1
<i>Negativ</i>	3	109	2	2	nein no	108	108	108	108
<i>Fraglich Questionable</i>	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.

<i>NAT-Methode [Code] (total number)</i>	<i>NAT richtig positiv True positive results</i>						<i>NAT richtig negativ</i>	
	<i>2025361</i>		<i>2025363</i>		<i>2025364</i>		<i>2025362</i>	
	<i>Absolut Absolute</i>	<i>%</i>	<i>Absolut Absolute</i>	<i>%</i>	<i>Absolut Absolute</i>	<i>%</i>	<i>Absolut Absolute</i>	<i>%</i>
<i>AID CAP Bacteria (n = 5)</i>	5	100	5	100	5	100	5	100
<i>AmpliGnost L. pneumophila (n = 4)</i>	4	100	4	100	4	100	4	100
<i>BioGx auf BD Max (n = 5)</i>	5	100	5	100	5	100	5	100
<i>GeneProof L. pneumophila (n = 5)</i>	5	100	5	100	5	100	5	100
<i>Seegene Allplex Resp. Panel 4 (n = 13)</i>	12	92	13	100	12	92	13	100
<i>Tib Molbiol LightMix Legionella (n = 8)</i>	8	100	8	100	8	100	8	100
<i>RIDAGENE Legionella (n = 9)</i>	9	100	9	100	9	100	9	100

Other commercial tests (n = 27)	26	96	27	100	27	100	27	100
<i>In house</i> PCR assay (n = 33)	32	97	31	94	32	97	33	100