

**PCR-/NAT *Francisella tularensis*
 (RV 543) Mai 2015**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1515431	∅	62	<i>Escherichia coli</i> K12
1515432	++	61	<i>Francisella tularensis holarctica</i> (~ 1x10 ⁴ CFU/mL)
1515433	+	61	<i>Francisella tularensis holarctica</i> (~ 1x10 ³ CFU/mL)
1515434	+++	61	<i>Francisella tularensis holarctica</i> (~ 1x10 ⁵ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 17</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	1515431	1515432	1515433	1515434	1515431	1515432	1515433	1515434	
Positiv	0	16	15	17	n.d.	0	0	0	0
Negativ	17	1	2	0	nein <i>no</i>	17	17	17	17
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>		
	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%
LightMix <i>F. tularensis</i> [20] (n = 4)	12	12 / 12	100	4	4 / 4	100
Commercial assay / kit [27] (n = 1)	2	2 / 3	67	1	1 / 1	100
In house PCR assay [28] (n = 11)	33	33 / 33	100	11	11 / 11	100
Andere / k.A. / other [29] (n = 1)	3	3 / 3	100	1	1 / 1	100