

**PCR-/NAT *Coxiella burnetii*
 (RV 542) April 2011**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.
Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1115421	+++	61	<i>Coxiella burnetii</i> (~ 1x10 ⁶ genome copies/mL)
1115422	+	61	<i>Coxiella burnetii</i> (~ 1x10 ³ genome copies/mL)
1115423	(+)	61	<i>Coxiella burnetii</i> (~ 1x10 ² genome copies/mL)
1115424	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.
Absolute numbers of reported individual results.

<i>n = 16</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1115421	1115422	1115423	1115424	1115421	1115422	1115423	1115424	
Befund <i>Result</i>									
Positiv	16	14	8	0	n.d.	1	1	1	1
Negativ	0	2	8 ¹⁾	16	nein <i>no</i>	15	15	15	15
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>	%
In house PCR assay [28] (n = 16)	38	38 / 48	79	16	16 / 16	100

Comments: ¹⁾ As sample # 1115423 contained a very low number of *Coxiella burnetii* target organisms, negative PCR results were not rated as "false negative", but the participants may consider to improve the analytical sensitivity of their corresponding PCR assays.