

PCR-/NAT *Chlamydia trachomatis*
(RV 531) Mai 2014



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1415311	++	61	<i>Chlamydia trachomatis</i> (~ 1x10 ⁴ IFU/mL)
1415312	+	61	<i>Chlamydia trachomatis</i> (~ 5x10 ³ IFU/mL)
1415313	∅	62	<i>Escherichia coli</i> K12
1415314	∅	62	<i>Escherichia coli</i> K12

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

<i>n</i> = 125	Probennummer (Sample no.)					Inhibition			
	1415311	1415312	1415313	1415314		1415311	1415312	1415313	1415314
Befund <i>Result</i>									
Positiv	125	125	0	2	n.d.	1	1	1	1
Negativ	0	0	124	122	nein <i>no</i>	124	124	124	123
Fraglich <i>Questionable</i>	0	0	1	1	ja <i>yes</i>	0	0	0	1

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>	%
Hain GenoQuick CT [20] (n = 20)	40	40 / 40	100	39	39 / 40	98
TIB Molbiol LightMix CT [21] (n = 3)	6	6 / 6	100	6	6 / 6	100
Roche COBAS CT [22] (n = 28)	56	56 / 56	100	56	56 / 56	100
Cepheid Xpert CT/NG [23] (n = 3)	6	6 / 6	100	6	6 / 6	100
BD ProbeTec [24] (n = 13)	26	26 / 26	100	26	26 / 26	100
Artus CT [25] (n = 12)	24	24 / 24	100	24	24 / 24	100
Abbott CT/NG [26] (n = 5)	10	10 / 10	100	10	10 / 10	100
Other commercial tests [27] (n = 27)	54	54 / 54	100	51	51 / 52 §	98
<i>In house</i> PCR assay [28] (n = 14)	28	28 / 28	100	28	28 / 28	100
Andere / k.A. / <i>other</i> [29] (n = 1)	2	2 / 2	100	2	2 / 2	100

§ Due to reporting questionable results, the number of true results (denominator in the „relative“ column) has been reduced.