

PCR-/NAT *Clostridium difficile*
(RV 545) Mai 2016



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1615451	+++	61 / 71,72	<i>Clostridium difficile</i> (~ 5x10 ⁴ CFU/mL)
1615452	∅	62	<i>Escherichia coli</i> K12
1615453	++	61 / 71,72	<i>Clostridium difficile</i> (~ 5x10 ³ CFU/mL)
1615454	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 110	Probennummer (Sample no.)				Inhibition				
Befund <i>Result</i>	1615451	1615452	1615453	1615454	1615451	1615452	1615453	1615454	
Positiv	109	2	108	1	n.d.	0	0	0	0
Negativ	1	108	2	109	nein <i>no</i>	110	110	110	110
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>	%
Cepheid Xpert <i>C.difficile</i> [20] (n=26)	52	52 / 52	100	52	52 / 52	100
BD MAX <i>C.difficile</i> [21] (n =10)	20	20 / 20	100	20	20 / 20	100
Commercial assay / kit [27] (n =59)	115	115 / 118	97	115	115 / 118	97
<i>In house</i> PCR assay [28] (n = 15)	30	30 / 30	100	30	30 / 30	100
Andere / k.A. / other [29] (n = 3)	6	6 / 6	100	6	6 / 6	100

* Durch Mehrfachnennung oder fehlende Angabe kann die absolute Zahl der Ergebnisse (Tab. 2) von der Anzahl der Teilnehmer abweichen.
Due to reporting results of multiple assay systems or missing specifications, the effective numbers are not correlating with the number of participants.

Comments: 46 participants reported dedicated identification of toxin genes. All reported results were correct.