

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1625451	∅	62	<i>Escherichia coli</i> K12
1625452	++	61 / 71,72	<i>Clostridium difficile</i> (~ 1x10 ⁴ CFU/mL)
1625453	+++	61 / 71,72	<i>Clostridium difficile</i> (~ 1x10 ⁵ CFU/mL)
1625454	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 103</i>	Probennummer (Sample no.)					Inhibition			
	1625451	1625452	1625453	1625454		1625451	1625452	1625453	1625454
Befund <i>Result</i>									
Positiv	1	102	102	0	n.d.	0	0	0	0
Negativ	102	1	1	103	nein <i>no</i>	103	103	103	103
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=29)	56	56 / 58	97	58	58 / 58	100
BD MAX <i>C.difficile</i> [21] (n=11)	22	22 / 22	100	21	21 / 22	95
Commercial assay / kit [27] (n=51)	102	102 / 102	100	102	102 / 102	100
<i>In house</i> PCR assay [28] (n = 13)	26	26 / 26	100	26	26 / 26	100
Andere / k.A. / other [29] (n = 2)	4	4 / 4	100	4	4 / 4	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: 39 participants reported dedicated identification of toxin genes. All reported results were correct.