

**PCR-/NAT *Clostridium difficile*
 (RV 545) November 2019**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1925451	+++	61 / 71,72	<i>Clostridium difficile</i> (~ 1x10 ⁶ CFU/mL)
1925452	∅	62	<i>Escherichia coli</i> K12
1925453	∅	62	<i>Escherichia coli</i> K12
1925454	++	61 / 71,72	<i>Clostridium difficile</i> (~ 1x10 ⁵ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 149</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1925451	1925452	1925453	1925454	1925451	1925452	1925453	1925454	
Befund <i>Result</i>									
Positiv	148	1	2	146	n.d.	2	2	2	2
Negativ	1	148	147	2	nein <i>no</i>	147	147	147	147
Fraglich <i>Questionable</i>	0	0	0	1	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>			
	1925451		1925454		1925452		1925453	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Cepheid Xpert <i>C.difficile</i> [20] (n =45)	44	98	43 §	98	45	100	45	100
BD MAX <i>C.difficile</i> [21] (n =18)	18	100	18	100	18	100	17	94
r-Biopharm RIDAGENE Cdif [22] (n =34)	34	100	34	100	34	100	33	97
Commercial assay / kit [27] (n =41)	41	100	40	98	40	98	41	100
<i>In house</i> PCR assay [28] (n = 11)	11	100	11	100	11	100	11	100

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