

PCR-/NAT *Clostridium difficile*
(RV 545) Mai 2020



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2015451	+	61 / 71,72	<i>Clostridium difficile</i> (~ 5x10 ³ CFU/mL)
2015452	+++	61 / 71,72	<i>Clostridium difficile</i> (~ 5x10 ⁵ CFU/mL)
2015453	++	61 / 71,72	<i>Clostridium difficile</i> (~ 5x10 ⁴ CFU/mL)
2015454	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 181</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	2015451	2015452	2015453	2015454	2015451	2015452	2015453	2015454	
Positiv	177	179	177	1	n.d.	2	2	2	2
Negativ	3	1	3	179	nein no	179	179	179	179
Fraglich <i>Questionable</i>	1	1	1	1	ja yes	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	
	2015451		2015452		2015453		2015454	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Altona RealStar <i>C. difficile</i> (n = 8)	7	88	8	100	8	100	8	100
BD MAX <i>C. difficile</i> (n = 20)	20	100	20	100	20	100	20	100
Cepheid Xpert <i>C. difficile</i> (n = 66)	65	98	65	98	64	97	66	100
HAIN GenoType / FluoroType (n = 7)	7	100	7	100	7	100	7	100
Meridian Bioscience Alethia (n = 8)	7	88	7	88	7	88	7	88
Seegene Allplex GI Bacteria (n = 6)	6	100	6	100	6	100	6	100
RIDAGENE <i>C. diff.</i> (n = 31)	31	100	31	100	31	100	31	100

Other commercial tests (n = 23)	22	96	23	100	22	96	22	96
<i>In house</i> PCR assay (n = 12)	12	100	12	100	12	100	12	100