

PCR-/NAT *Clostridium difficile*
(RV 545) November 2022



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2225451	++++	61 / 71,72,73,75	<i>Clostridium difficile</i> Ribotyp O27 (~ 1x10 ⁶ CFU/mL)
2225452	∅	62	<i>Escherichia coli</i> K12
2225453	++	61 / 71,72,73,75	<i>Clostridium difficile</i> Ribotyp O27 (~ 1x10 ⁵ CFU/mL)
2225454	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 163</i>	Probennummer (Sample no.)					Inhibition			
	2225451	2225452	2225453	2225454		2225451	2225452	2225453	2225454
Befund <i>Result</i>									
Positiv	163	2	163	1	n.d.	1	1	1	1
Negativ	0	161	0	162	nein <i>no</i>	162	162	162	162
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 Anwenden 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>			
	2225451		2225453		2225452		2225454	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Altona RealStar <i>C. difficile</i> (n = 7)	7	100	7	100	6	86	6	86
Amplex eazyplex <i>C. difficile</i> (n = 3)	3	100	3	100	3	100	3	100
AmpliGnost <i>C. difficile</i> Tox. A +B (n = 3)	3	100	3	100	3	100	3	100
BD MAX <i>C. difficile</i> (n = 19)	19	100	19	100	18	95	19	100
Cepheid Xpert <i>C. difficile</i> (n = 62)	62	100	62	100	62	100	62	100
Meridian Alethia <i>C. difficile</i> (n = 9)	9	100	9	100	9	100	9	100

Quidel Solana C. difficile (n = 3)	3	100	3	100	3	100	3	100
Roche COBAS Liat Cdiff (n = 2)	2	100	2	100	2	100	2	100
Seegene Allplex GI Bacteria (n = 8)	8	100	8	100	8	100	8	100
Seegene Allplex GI-EB Screening (n = 5)	5	100	5	100	5	100	5	100
LightMix Cdiff Toxin Gene tcdA/tcdB (n= 2)	2	100	2	100	2	100	2	100
RIDAGENE C.diff. (n = 21)	21	100	21	100	21	100	21	100
RIDAGENE Hospital stool panel (n = 3)	3	100	3	100	3	100	3	100
In house PCR assay (n = 9)	9	100	9	100	9	100	9	100
Other commercial tests (n = 7)	7	100	7	100	7	100	7	100

Comments:

1. Unter "Andere kommerzielle Testsysteme" sind folgende Testsysteme aufgeführt: DiaSorin Simplexa C. difficile Direct Kit (1x), Abacus Diagnostica GenomEra C. difficile (1x), BioFire FILMARRAY Pneumonia Panel plus (2x) und MOBIDIAG Amplidiag C. difficile (1x).