

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2025451	∅	62	<i>Escherichia coli</i> K12
2025452	++	61 / 71,73,75	<i>Clostridium difficile</i> (~ 5x10 ⁴ CFU/mL)
2025453	+++	61 / 71,73,75	<i>Clostridium difficile</i> (~ 5x10 ⁵ CFU/mL)
2025454	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 165</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	2025451	2025452	2025453	2025454		2025451	2025452	2025453	2025454
Befund <i>Result</i>									
Positiv	0	162	164	2	n.d.	4	4	4	4
Negativ	164	3	1	163	nein <i>no</i>	161	161	161	161
Fraglich <i>Questionable</i>	1	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>			
	2025452		2025453		2025451		2025454	
	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	7	100	7	100
Amplex eazyplex <i>C. difficile</i> (n = 5)	5	100	5	100	5	100	5	100
BD MAX <i>C. difficile</i> (n = 17)	17	100	17	100	17	100	17	100
HAIN GenoType / FluoroType (n = 4)	4	100	4	100	4	100	4	100
Cepheid Xpert <i>C. difficile</i> (n = 57)	56	98	57	100	57	100	56	98
Meridian Bioscience Alethia (n = 7)	6	86	7	100	7	100	7	100

QUIDEL Solana C.difficile Assay (n = 4)	4	100	4	100	4	100	4	100
Seegene Allplex GI Bacteria (n = 5)	5	100	5	100	5	100	5	100
RIDAGENE C.diff. (n = 27)	27	100	27	100	27	100	26	96
RIDAGENE Hospital Stool Panel (n = 6)	6	100	6	100	6	100	6	100
Other commercial tests (n = 15)	14	93	14	93	14	93	15	100
<i>In house</i> PCR assay (n = 11)	11	100	11	100	11	100	11	100