

PCR-/NAT *Clostridium difficile* (RV 545) Nov 2025



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
545A 251014 01	++	61/ 71,72,73,75	<i>Clostridium difficile</i> Ribotyp O27 (~ 5x10 ⁴ CFU/mL)
545A 251014 02	Ø	62	<i>Escherichia coli</i> K12
545A 251014 03	Ø	62	EHEC (~5x10 ⁵ CFU/mL)
545A 251014 04	+++	61/ 71,72,73,75	<i>Clostridium difficile</i> Ribotyp O27 (~ 5x10 ⁵ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 167		Proben Nr. (Sample no.)				Inhibition				
Befund Result		01	02	03	04		01	02	03	04
Positiv	166	1	3	164		n.d.	1	1	1	1
Negativ	1	165	164	2		nein no	166	165	166	165
Fraglich Questionable	0	1	0	1		ja yes	0	1	0	1

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 True positive results				NAT richtig negativ True negative results			
	01		04		02		03	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
Altona RealStar C. difficile (n = 3)	3	100	3	100	3	100	3	100
Amplex eazypex C. difficile complete (n = 3)	3	100	3	100	3	100	3	100
AmpliGnost C. difficile Toxin A+B (n = 3)	3	100	3	100	3	100	3	100
BD MAX C. difficile (n = 24)	24	100	24	100	23	96	24	100
BioFire FILMARRAY GI Panel (n = 1)	1	100	1	100	1	100	1	100
Bruker-HAIN FluoroType CDiff (n = 1)	1	100	1	100	1	100	1	100
Cepheid Xpert C. difficile (n = 62)	61	98	62	100	62	100	62	100

C. difficile ELITe MGB Kit (n = 2)	2	100	2	100	2	100	2	100
Meridian Alethia C. difficile (n = 8)	8	100	8	100	8	100	8	100
Roche cobas Liat Cdiff (n = 3)	3	100	3	100	3	100	3	100
Roche UC-TIB-EHEC/C.Diff (n = 2)	2	100	2	100	2	100	2	100
Seegene Allplex GI Bacteria (n = 5)	5	100	5	100	5	100	5	100
Seegene Allplex GI-EB Screening (n = 12)	12	100	12	100	12	100	12	100
TIB Molbiol modular Cdiff tcdA/tcdB (n= 2)	2	100	2	100	2	100	1	50
RIDAGENE C. difficile (n = 17)	17	100	16	94	17	100	16	94
RIDAGENE Hospital stool panel (n = 2)	2	100	1	50	2	100	1	50
In house PCR assay (n = 8)	8	100	8	100	8	100	8	100
Other commercial tests (n = 9)	9	100	8*	100	8*	100	9	100

* Inhibition

Comments:

1. The following tests are listed under "Other commercial tests": CerTest VIASURE C.difficile toxins A/B Real Time PCR Detection Kit (1x), DiaSorin Simplexa C. difficile Direct Kit (1x), Gerbion diarellaC.difficile real time PCR Kit (2x), QIAGEN QIAstat-Dx Gastrointestinal Panel 2 (1x), r-Biopharm / BOSCH Vivalytic C. difficile (1x) and r-Biopharm RIDAUNITY C. difficile (2x).