

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected	Probenzusammensetzung / Sample composition
545A 250520 01	++	61/ 71,72,73,75 <i>Clostridium difficile</i> Ribotyp O27 (~ 5x10 ⁴ CFU/mL)
545A 250520 02	+++	61/ 71,72,73,75 <i>Clostridium difficile</i> Ribotyp O27 (~ 5x10 ⁵ CFU/mL)
545A 250520 03	Ø	62 <i>Escherichia coli</i> K12
545A 250520 04	+++	61/ 71,72,73,75 <i>Clostridium difficile</i> Ribotyp O27 (~ 2x10 ⁵ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 183	Proben Nr. (Sample no.)				Inhibition			
Befund Result	01	02	03	04	01	02	03	04
Positiv	179	183	3	181	n.d.	1	1	1
Negativ	4	0	180	2	nein no	182	182	182
Fraglich Questionable	0	0	0	0	ja yes	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 True positive results						NAT richtig negativ	
	01		02		04		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 = 5)	5	100	5	100	5	100	5	100
AmpliGnost C. difficile Tox. A +B (n = 3)	3	100	3	100	3	100	3	100
BD MAX C. difficile (n = 24)	24	100	24	100	24	100	24	100
BioFire FILMARRAY GI Panel (n = 2)	2	100	2	100	2	100	2	100
Bruker-HAIN FluoroType CDiff (n = 1)	1	100	1	100	1	100	1	100
Cepheid Xpert C. difficile (n = 71)	70	99	71	100	70	99	70	99

C. difficile ELITe MGB Kit (n = 2)	2	100	2	100	2	100	2	100
Meridian Alethia C. difficile (n = 9)	9	100	9	100	9	100	8	89
Roche Cobas Liat Cdiff (n = 2)	2	100	2	100	2	100	2	100
Roche UC-TIB-EHEC/C.Diff (n = 3)	3	100	3	100	3	100	3	100
Seegene Allplex GI Bacteria (n = 5)	5	100	5	100	5	100	5	100
Seegene Allplex GI-EB Screening (n = 14)	14	100	14	100	14	100	14	100
TIB Molbiol modular Cdiff tcdA/tcdB (n= 2)	2	100	2	100	2	100	2	100
RIDAGENE C. difficile (n = 20)	19	95	20	100	20	100	20	100
RIDAGENE Hospital stool panel (n = 1)	1	100	1	100	1	100	1	100
In house PCR assay (n = 8)	7	88	8	100	8	100	8	100
Other commercial tests (n = 8)	7	88	8	100	7	88	7	88

Comments:

1. The following tests are listed under "Other commercial tests": CerTest VIASURE multiplex C.difficile toxins A+B Real Time PCR Detection Kit (3x), aprimeo/BOSCH Vivalytic C. difficile (2x), Abacus Diagnostica GenomEra C. difficile (2x) and r-Biopharm RIDA UNITY C.difficile (1x).