

**PCR-/NAT *Clostridium difficile***  
**(RV 545) Mai 2021**



**Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.**

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2115451	+	61 / 71,72	<i>Clostridium difficile</i> (~ 5x10 <sup>3</sup> CFU/mL)
2115452	∅	62	<i>Escherichia coli</i> K12
2115453	++	61 / 71,72	<i>Clostridium difficile</i> (~ 5x10 <sup>4</sup> CFU/mL)
2115454	∅	62	<i>Escherichia coli</i> K12

**Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.**

*Absolute numbers of reported individual results.*

<i>n = 186</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	2115451	2115452	2115453	2115454	2115451	2115452	2115453	2115454	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	181	2	185	2	n.d.	2	2	2	2
<b>Negativ</b>	5	184	1	184	nein <i>no</i>	184	184	184	184
<b>Fraglich</b> <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 Anwendern verschiedener Methoden.**

*Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.*

<b>NAT-Methode</b> [Code] (total number *)	<b>NAT richtig positiv</b> <i>True positive results</i>				<b>NAT richtig negativ</b> <i>True negative results</i>			
	2115451		2115453		2115452		2115454	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Altona RealStar <i>C. difficile</i> (n = 5)	5	100	5	100	5	100	4	80
Amplex eazyplex <i>C. difficile</i> (n = 4)	4	100	4	100	4	100	4	100
BD MAX <i>C. difficile</i> (n = 22)	21	95	22	100	21	95	22	100
Cepheid Xpert <i>C. difficile</i> (n = 74)	73	99	74	100	74	100	73	99
Meridian Bioscience Alethia (n = 8)	8	100	8	100	8	100	8	100
Quidel Solana <i>C. difficile</i> (n = 5)	3	60	5	100	5	100	5	100
Seegene Allplex GI Bacteria (n = 8)	8	100	8	100	8	100	8	100

<b>RIDAGENE C.diff. (n = 20)</b>	<b>20</b>	<b>100</b>	<b>19</b>	<b>95</b>	<b>20</b>	<b>100</b>	<b>20</b>	<b>100</b>
<b>RIDAGENE Hospital stool panel (n = 6)</b>	<b>6</b>	<b>100</b>	<b>6</b>	<b>100</b>	<b>6</b>	<b>100</b>	<b>6</b>	<b>100</b>
<b>Other commercial tests (n = 19)</b>	<b>18</b>	<b>95</b>	<b>19</b>	<b>100</b>	<b>18</b>	<b>95</b>	<b>19</b>	<b>100</b>
<b><i>In house</i> PCR assay (n = 15)</b>	<b>15</b>	<b>100</b>	<b>15</b>	<b>100</b>	<b>15</b>	<b>100</b>	<b>15</b>	<b>100</b>