

PCR-/NAT VRE
(RV 546) November 2021



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2125461	++	61 / 72	<i>Enterococcus faecium vanB</i> (~ 5x10 ⁴ CFU/mL)
2125462	∅	62	<i>Escherichia coli</i> K12
2125463	∅	62	<i>Escherichia coli</i> K12
2125464	++	61 / 71	<i>Enterococcus faecium vanA</i> (~ 5x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 68</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	<i>2125461</i>	<i>2125462</i>	<i>2125463</i>	<i>2125464</i>	<i>2125461</i>	<i>2125462</i>	<i>2125463</i>	<i>2125464</i>	
Befund <i>Result</i>									
Positiv	64 ¹⁾	0	0	68 ¹⁾	n.d.	2	2	2	2
Negativ	4	68	68	0	nein <i>no</i>	66	66	66	66
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>			
	2125461		2125464		2125462		2125463	
	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>
BioGx Vancomycin resistance (n = 1)	1	100	1	100	1	100	1	100
HAIN GenoType Enterococcus (n = 9)	9	100	9	100	9	100	9	100
Cepheid Xpert vanA / vanB (n = 28)	28	100	28	100	28	100	28	100
Seegene Allplex Entero-DR (n = 4)	4	100	4	100	4	100	4	100
In house PCR assay (n = 17)	15	88	17	100	17	100	17	100
Other commercial tests (n = 9)	7	78	9	100	9	100	9	100

Comments: ¹⁾ All participants reported dedicated vanA / vanB identification. With the exception of one laboratory, all reported results were correct.

Unter "**Andere kommerzielle Testsysteme**" wurden diesmal folgende Testsysteme aufgeführt: Amplex eazyplex VRE basic (4x), AmpliGnost Vancomycin A/B Resistenz Differenzierung (3x) und VIASURE Vancomycin resistance Kit (1x).