

**PCR-/NAT VRE
 (RV 546) Mai 2023**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
546 230523 01	++	61 / 71	<i>Enterococcus faecium</i> vanA (~ 5x10 ⁴ CFU/mL)
546 230523 02	++	61 / 71	<i>Enterococcus avium</i> vanA (~ 1x10 ⁵ CFU/mL)
546 230523 03	∅	62	<i>Escherichia coli</i> K12
546 230523 04	++	61 / 72	<i>E. faecalis</i> + <i>E. faecium</i> vanB (~ 5x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

n = 77	Proben Nr. (Sample no.)					Inhibition			
	01	02	03	04		01	02	03	04
Befund <i>Result</i>									
Positiv	77	67	0	71	n.d.	0	0	0	0
Negativ	0	10	77	6	nein no	77	77	77	77
Fraglich <i>Questionable</i>	0	0	0	0	ja yes	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	
	01		02		04		03	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Amplex eazyplex VRE (n = 3)	3	100	3	100	2	67	3	100
Amplex eazyplex VREbasic (n = 3)	3	100	3	100	1	33	3	100
AmpliGnost Vancomycin A/B (n = 3)	3	100	3	100	3	100	3	100
BioGx Vancomycin resistance (n = 1)	1	100	1	100	1	100	1	100
Bruker-HAIN GenoType Enteroc. (n = 10)	10	100	4	40	10	100	10	100
Cepheid Xpert vanA / vanB (n = 26)	26	100	26	100	26	100	26	100
Seegene Allplex Entero-DR (n = 10)	10	100	10	100	9	90	10	100

TIB Molbiol LightMix Kit (n = 1)	1	100	1	100	1	100	1	100
<i>In house</i> PCR assay (n = 17)	17	100	13	76	15	82	17	100
Other commercial tests (n = 3)	3	100	3	100	3	100	3	100

Comments:

1. Seventy-six participants reported dedicated vanA / vanB identification. All reported results were correct
2. The following tests are listed under "Other commercial tests": MIKROGEN ampliCube MDI (1x), GeneProof VRE PCR Kit (1x) and CerTest VIASURE Vancomycin resistance for BD MAX System (1x).