

PCR-/NAT VRE
(RV 546) November 2023



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
546 231024 01	∅	62	<i>E. faecium</i> vanA/vanB neg (~ 1x10 ⁴ CFU/mL)
546 231024 02	∅	62	<i>Escherichia coli</i> K12
546 231024 03	++	61 / 71	<i>Enterococcus faecalis</i> vanA (~ 1x10 ⁴ CFU/mL)
546 231024 04	+++	61 / 72	<i>Enterococcus faecium</i> vanB (~ 1x10 ⁵ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

n = 69	Proben Nr. (Sample no.)					Inhibition			
	01	02	03	04		01	02	03	04
Befund <i>Result</i>									
Positiv	4	1	67	66	n.d.	1	1	1	1
Negativ	65	68	2	3	nein <i>no</i>	68	68	68	68
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 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 <i>True negative results</i>			
	03		04		01		02	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Amplex eazyplex VRE (n = 2)	2	100	1	50	2	100	2	100
Amplex eazyplex VREbasic (n = 6)	6	100	5	83	6	100	6	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	10	100	7	70	10	100
Cepheid Xpert vanA / vanB (n = 26)	26	100	26	100	25	96	25	96
Seegene Allplex Entero-DR (n = 8)	6	75	7	88	8	100	8	100
<i>In house</i> PCR assay (n = 13)	13	100	13	100	13	100	13	100

Comments:

- Sixty-seven participants reported dedicated vanA / vanB identification. With the exception of four laboratories, all reported results were correct.