

PCR-/NAT VRE
(RV 546) November 2019



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.
Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1925461	++	61 / 71	<i>Enterococcus faecalis</i> vanA (~ 1x10 ⁴ CFU/mL)
1925462	∅	62	<i>Escherichia coli</i> K12
1925463	∅	62	<i>E. faecalis</i> (~ 1x10 ⁵ CFU/mL)
1925464	++	61 / 72	<i>Enterococcus faecium</i> vanA + vanB (~ 1x10 ⁴ CFU/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.
Absolute numbers of reported individual results.

<i>n = 56</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	1925461	1925462	1925463	1925464	1925461	1925462	1925463	1925464	
Positiv	56 ¹⁾	0	0	54 ¹⁾	n.d.	1	1	1	1
Negativ	0	56	56	2	nein no	55	55	55	55
Fraglich Questionable	0	0	0	0	ja yes	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>			
	1925461		1925464		1925462		1925463	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Cepheid Xpert vanA / vanB [20] (n = 25)	25	100	25	100	25	100	25	100
Hain GT Enterococcus CT [22] (n = 8)	8	100	8	100	8	100	8	100
Commercial assay / kit [27] (n = 12)	12	100	10	83	12	100	12	100
<i>In house</i> PCR assay [28] (n = 11)	11	100	11	100	11	100	11	100

Comments: ¹⁾ Fifty-three participants reported dedicated vanA / vanB identification. With the exception of 5 laboratories, all reported results were correct.