

**PCR-/NAT VRE
 (RV 546) Nov 2020**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

| | <i>Erwartet / expected</i> | | <i>Probenzusammensetzung / Sample composition</i> |
|---------|----------------------------|---------|---|
| 2025461 | +++ | 61 / 71 | <i>Enterococcus faecium vanA</i> (~ 1x10 ⁵ CFU/mL) |
| 2025462 | ∅ | 62 | <i>Lactobacillus rhamnosus</i> (~ 1x10 ⁵ CFU/mL) |
| 2025463 | ∅ | 62 | <i>Escherichia coli</i> K12 |
| 2025464 | ++ | 61 / 72 | <i>Enterococcus faecium vanB</i> (~ 5x10 ⁴ CFU/mL) |

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

| <i>n = 63</i> | <i>Probennummer (Sample no.)</i> | | | | <i>Inhibition</i> | | | | |
|----------------------------------|----------------------------------|----------------|----------------|------------------|-------------------|----------------|----------------|----------------|----|
| | <i>2025461</i> | <i>2025462</i> | <i>2025463</i> | <i>2025464</i> | <i>2025461</i> | <i>2025462</i> | <i>2025463</i> | <i>2025464</i> | |
| <i>Befund Result</i> | | | | | | | | | |
| Positiv | 63 ¹⁾ | 0 | 1 | 63 ¹⁾ | n.d. | 1 | 1 | 1 | 1 |
| Negativ | 0 | 63 | 62 | 0 | nein no | 62 | 62 | 62 | 62 |
| Fraglich Questionable | 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 <i>True negative results</i> | | | |
|---|--|----------|-----------------------------|----------|--|----------|-----------------------------|----------|
| | 2025461 | | 2025464 | | 2025462 | | 2025463 | |
| | <i>Absolut Absolute</i> | <i>%</i> | <i>Absolut Absolute</i> | <i>%</i> | <i>Absolut Absolute</i> | <i>%</i> | <i>Absolut Absolute</i> | <i>%</i> |
| HAIN GenoType Enterococcus (n = 10) | 10 | 100 | 10 | 100 | 10 | 100 | 10 | 100 |
| Cepheid Xpert vanA / vanB (n = 26) | 26 | 100 | 26 | 100 | 26 | 100 | 26 | 100 |
| Seegene Allplex Entero-DR (n = 5) | 5 | 100 | 5 | 100 | 5 | 100 | 5 | 100 |
| Other commercial tests (n = 7) | 7 | 100 | 7 | 100 | 7 | 100 | 7 | 100 |
| <i>In house</i> PCR assay (n = 15) | 15 | 100 | 15 | 100 | 15 | 100 | 14 | 93 |

Comments: ¹⁾ All participants reported dedicated vanA / vanB identification. With the exception of 2 laboratories, all reported results were correct.