

**PCR-/NAT *Salmonella enterica*
 (RV 537) Mai 2021**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

| | <i>Erwartet / expected</i> | | <i>Probenzusammensetzung / Sample composition</i> |
|---------|----------------------------|----|--|
| 2115371 | ++ | 61 | <i>S. enterica</i> ser. typhi (~ 1x10 ⁴ CFU/mL) |
| 2115372 | Ø | 62 | EHEC (~5x10 ⁴ CFU/mL) |
| 2115373 | Ø | 62 | <i>Escherichia coli</i> K12 |
| 2115374 | ++ | 61 | <i>S. enterica</i> ser. enteritidis (~ 1x10 ⁴ CFU/mL) |

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

| <i>n = 31</i> | <i>Probennummer (Sample no.)</i> | | | | <i>Inhibition</i> | | | | |
|----------------------------------|----------------------------------|---------|---------|---------|-------------------|---------|---------|---------|----|
| <i>Befund Result</i> | 2115371 | 2115372 | 2115373 | 2115374 | 2115371 | 2115372 | 2115373 | 2115374 | |
| Positiv | 29 | 1 | 3 | 29 | n.d. | 0 | 0 | 0 | 0 |
| Negativ | 2 | 29 | 28 | 2 | nein no | 31 | 31 | 31 | 31 |
| Fraglich Questionable | 0 | 1 | 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

| NAT-Methode [Code] (total number *) | NAT richtig positiv <i>True positive results</i> | | | | NAT richtig negativ <i>True negative results</i> | | | |
|---|--|-----|-----------------------------|-----|--|-----|-----------------------------|-----|
| | 2115371 | | 2115374 | | 2115372 | | 2115373 | |
| | <i>Absolut Absolute</i> | % | <i>Absolut Absolute</i> | % | <i>Absolut Absolute</i> | % | <i>Absolut Absolute</i> | % |
| BD MAX Enteric Bacterial Panel (n = 3) | 3 | 100 | 3 | 100 | 3 | 100 | 3 | 100 |
| Seegene Allplex GI-Bacteria (I) (n = 6) | 5 | 83 | 5 | 83 | 6 | 100 | 5 | 83 |
| Seegene Allplex GI-EB Screening (n = 3) | 3 | 100 | 3 | 100 | 3 | 100 | 3 | 100 |
| RIDAGENE Bacterial Stool Panel (n = 3) | 3 | 100 | 3 | 100 | 3 | 100 | 3 | 100 |
| Other commercial tests (n = 8) | 7 | 88 | 7 | 88 | 6 | 75 | 7 | 88 |
| <i>In house</i> PCR assay (n = 8) | 8 | 100 | 8 | 100 | 8 | 100 | 7 | 88 |