

**PCR-/NAT *Salmonella enterica*
 (RV 537) November 2016**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1625371	+	61	<i>S. enterica</i> ser. Enteritidis (~ 5x10 ³ CFU/mL)
1625372	++	61	<i>S. enterica</i> ser. Enteritidis (~ 5x10 ⁴ CFU/mL)
1625373	+++	61	<i>S. enterica</i> ser. Enteritidis (~ 5x10 ⁵ CFU/mL)
1625374	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 21</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	1625371	1625372	1625373	1625374	1625371	1625372	1625373	1625374	
Positiv	18	20	21	0	n.d.	0	0	0	0
Negativ	3¹⁾	1	0	21	nein no	21	21	21	21
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>		
	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%
foodproof Salmonella Kit [21] (n = 1)	3	3 / 3	100	1	1 / 1	100
Other commercial tests [27] (n = 12)	36	36 / 36	100	12	12 / 12	100
In house PCR assay [28] (n = 8)	20	20 / 24	83	8	8 / 8	100
Andere/ k.A. / other [29] (n = 1)	3	3 / 3	100	1	1 / 1	100

Comments: ¹⁾ As sample #1625371 contained a low number of *Salmonella enterica* target organisms, negative PCR results were not rated "false negative" in this EQAS distribution.