

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1615371	+++	61	<i>S. enterica</i> ser. enteritidis (~ 1x10 ⁶ CFU/mL)
1615372	+	61	<i>S. enterica</i> ser. enteritidis (~ 5x10 ⁴ CFU/mL)
1615373	++	61	<i>S. enterica</i> ser. tennessee (~ 1x10 ⁵ CFU/mL)
1615374	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 25</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	1615371	1615372	1615373	1615374	1615371	1615372	1615373	1615374	
Positiv	25	17	24	0	n.d.	0	0	0	0
Negativ	0	8 ¹⁾	1	25	nein no	25	25	25	25
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>	%
Other commercial tests [27] (n = 13)	37	37 / 39	95	13	13 / 13	100
In house PCR assay [28] (n = 12)	29	29 / 36	81	12	12 / 12	100
Andere/ k.A. / other [29] (n = 1)	3	3 / 3	100	1	1 / 1	100

Comments: ¹⁾ As sample #1615372 contained a low number of *Salmonella enterica* target organisms, negative PCR results were not rated "false negative" in this EQAS distribution.