

**PCR-/NAT *Salmonella enterica*  
 (RV 537) Mai 2026**



**Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.**

*Sample composition and expected results.*

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
537 260519 01	∅	62	<i>Escherichia coli</i> K12
537 260519 02	++	61	<i>S. enterica ser. typhimurium</i> (~ 1x10 <sup>4</sup> CFU/mL)
537 260519 03	+	61	<i>S. enterica ser. typhimurium</i> (~ 5x10 <sup>3</sup> CFU/mL)
537 260519 04	+++	61	<i>S. enterica ser. typhimurium</i> (~ 1x10 <sup>5</sup> CFU/mL)

**Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.**

*Absolute numbers of reported individual results.*

n = 30	Proben Nr. (Sample no.)					Inhibition			
	01	02	03	04		01	02	03	04
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	0	26	28	30	n.d.	0	0	0	0
<b>Negativ</b>	30	4	2	0	nein <i>no</i>	30	30	30	30
<b>Fraglich</b> <i>Questionable</i>	0	0	0	0	ja <i>yes</i>	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	
	02		03		04		01	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Amplex eazyplex TyphiTyper (n= 1)	1	100	1	100	1	100	1	100
BD MAX Enteric Bacterial Panel (n= 4)	4	100	4	100	4	100	4	100
Hygiene Foodproof Salmonella Kit (n= 1)	1	100	1	100	1	100	1	100
Roche UC-TIB-Gastro-BAC or BAC Y1b (n= 3)	3	100	3	100	3	100	3	100
Seegene Allplex GI-Bacteria I or I plus (n= 5)	5	100	5	100	5	100	5	100
Seegene Allplex GI-EB Screening (n= 7)	4	57	5	71	7	100	7	100
TIB Molbiol Modular Salmonella (n= 1)	1	100	1	100	1	100	1	100
RIDAGENE or RIDAUNITY Bacterial Stool Panel (n= 1)	0	0	1	100	1	100	1	100
<i>In house</i> PCR assay (n= 4)	4	100	4	100	4	100	4	100

Other commercial tests (n= 3)	3	100	3	100	3	100	3	100
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**Comments:**

1. The following tests are listed under "Other commercial tests": CONGEN SureFast Salmonella PLUS (1x), CerTest VIASURE Salmonella, Campylobacter and Y.enterocolitica Real Time PCR Detection Kit (1x) and MIKROGEN ampliCube gastrointestinal Bacterial Panel 1 (1x).