

**PCR-/NAT EHEC / STEC
 (RV 534) Mai 2021**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.
Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2115341	+++	61 / 71,72,77,78	EHEC (~5x10 ⁵ CFU/mL) (<i>stx-1, stx-2, eae, hlyA</i> and O157 positive)
2115342	∅	62	<i>Escherichia coli</i> K12 (negative for <i>eae</i> and <i>hlyA</i>)
2115343	∅	62	EAEC att (~1x10 ⁵ CFU/mL)
2115344	++	61 / 72	EHEC (~5x10 ⁴ CFU/mL) (<i>stx-2c, eae</i> and <i>hlyA</i> positive)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.
Absolute numbers of reported individual results.

<i>n = 130</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	2115341	2115342	2115343	2115344	2115341	2115342	2115343	2115344	
Befund Result									
Positiv	130	1	7	130	n.d.	0	0	0	0
Negativ	0	129	123	0	nein no	130	130	130	130
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 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>			
	2115341		2115344		2115342		2115343	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Amplex eazyplex EHEC complete (n = 5)	5	100	5	100	5	100	3	60
BD MAX Enteric Bacterial Panel (n = 4)	4	100	4	100	4	100	4	100
BioMerieux BioFire GI Panel (n = 3)	3	100	3	100	3	100	3	100
HAIN GenoType EHEC (n = 17)	17	100	17	100	16	94	17	100
Seegene Allplex Gast. Bacteria II (n = 9)	9	100	9	100	9	100	7	78
LightMix Modular <i>stx-1/stx-2/eae</i> (n = 6)	6	100	6	100	6	100	5	83
RIDAGENE (n = 38)	38	100	38	100	38	100	38	100
Other commercial tests (n = 9)	9	100	9	100	9	100	9	100
<i>In house</i> PCR assay (n = 39)	39	100	39	100	39	100	37	95