

PCR-/NAT *Helicobacter pylori*
(RV 533) Nov 2020



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2025331	++	61/71	<i>Helicobacter pylori</i> (~ 1x10 ⁵ CFU/mL) Clarithromycin resistant (GGA mut. in 23S rDNA)
2025332	∅	62	<i>Escherichia coli</i> K12
2025333	∅	62	<i>Helicobacter salomonis</i> (~ 5x10 ⁴ CFU/mL)
2025334	(+)	61/72	<i>Helicobacter acinonyx</i> (~ 5x10 ⁴ CFU/mL) + <i>Helicobacter pylori</i> (~ 1x10 ³ CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 45</i>	Probennummer (Sample no.)				Inhibition				
	2025331	2025332	2025333	2025334	2025331	2025332	2025333	2025334	
Befund <i>Result</i>									
Positiv	44 ¹⁾	1	5	37 ¹⁾²⁾	n.d.	0	0	0	0
Negativ	1	44	40	6 ²⁾	nein <i>no</i>	45	45	45	44
Fraglich <i>Questionable</i>	0	0	0	2 ²⁾	ja <i>yes</i>	0	0	0	1

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>			
	2025331		2025334		2025332		2025333	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
HAIN GenoType HelicoDR (n = 18)	17	94	11	61	17	94	17	94
Ingenetix H.pylori ClariRes (n = 4)	4	100	4	100	4	100	4	100
Seegene Allplex H.pylori + ClariR (n = 3)	3	100	3	100	3	100	3	100
LightMix Helicobacter 23S (n = 2)	2	100	2	100	2	100	1	50
RIDAGENE H.pylori (n = 4)	4	100	4	100	4	100	4	100
Other commercial tests (n = 3)	3	100	3	100	3	100	2	67
<i>In house</i> PCR assay (n = 11)	11	100	10	91	11	100	9	82