

**PCR-/NAT *Helicobacter pylori***  
**(RV 533) November 2019**



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

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1925331	++	61/72	<i>Helicobacter pylori</i> (~ 5x10 <sup>4</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1925332	+	61/72	<i>Helicobacter pylori</i> (~ 5x10 <sup>3</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1925333	+++	61/72	<i>Helicobacter pylori</i> (~ 5x10 <sup>5</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1925334	∅	62	<i>Escherichia coli</i> K12

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

*Absolute numbers of reported individual results.*

<i>n = 47</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	1925331	1925332	1925333	1925334	1925331	1925332	1925333	1925334	
<b>Positiv</b>	47 <sup>1)</sup>	45 <sup>1)</sup>	47 <sup>1)</sup>	0	n.d.	0	0	0	0
<b>Negativ</b>	0	2	0	47	nein no	47	47	47	47
<b>Fraglich</b> <i>Questionable</i>	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.*

<b>NAT-Methode</b> [Code] (total number *)	<b>NAT richtig positiv</b> <i>True positive results</i>						<b>NAT richtig negativ</b>	
	1925331		1925332		1925333		1925334	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Hain GenoType Helico [20] (n = 15)	15	100	14	93	15	100	15	100
Ingenetix ClariRes [21] (n = 4)	4	100	4	100	4	100	4	100
r-Biopharm RIDAGENE [22] (n = 5)	5	100	5	100	5	100	5	100
Commercial assay [27] (n = 10)	10	100	10	100	10	100	10	100
<i>In house</i> PCR assay [28] (n = 13)	13	100	12	92	13	100	13	100

**Comments:** <sup>1)</sup> Forty-one of the 47 participants reported results for molecular Clarithromycin-susceptibility testing. With the exception of 1 laboratory, all reported results were correct.