

**PCR-/NAT *Helicobacter pylori*  
 (RV 533) November 2018**



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

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1825331	++	61/72	<i>Helicobacter pylori</i> (~ 1x10 <sup>5</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1825332	+	61/72	<i>Helicobacter pylori</i> (~ 1x10 <sup>4</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1825333	+++	61/72	<i>Helicobacter pylori</i> (~ 1x10 <sup>6</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1825334	∅	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>				
	1825331	1825332	1825333	1825334	1825331	1825332	1825333	1825334	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	47 <sup>1)</sup>	46 <sup>1)</sup>	47 <sup>1)</sup>	0	n.d.	0	0	0	0
<b>Negativ</b>	0	1	0	47	nein <i>no</i>	47	47	47	47
<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.*

<b>NAT-Methode</b> [Code] (total number *)	<b>NAT richtig positiv</b> <i>True positive results</i>			<b>NAT richtig negativ</b> <i>True negative results</i>		
	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>	<b>Absolut</b> <i>Absolute</i>	<b>Relativ</b> <i>Relative</i>	<b>%</b>
Hain GenoType Helico [20] (n = 20)	59	59 / 60	98	20	20 / 20	100
Ingenetix ClariRes [21] (n = 4)	12	12 / 12	100	4	4 / 4	100
r-Biopharm RIDAGENE [22] (n = 6)	18	18 / 18	100	6	6 / 6	100
Commercial assay [27] (n = 5)	14	14 / 15	93	5	5 / 5	100
<i>In house</i> PCR assay [28] (n = 15)	45	45 / 45	100	15	15 / 15	100
Andere / k.A. / other [29] (n = 1)	3	3 / 3	100	1	1 / 1	100

\* Durch Mehrfachnennung oder fehlende Angabe kann die absolute Zahl der Ergebnisse (Tab. 2) von der Anzahl der Teilnehmer abweichen.  
 Due to reporting results of multiple assay systems or missing specifications, the effective numbers are not correlating with the number of participants

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