

**PCR-/NAT *Helicobacter pylori***  
**(RV 533) November 2013**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1325331	∅	62	<i>Escherichia coli</i> K12
1325332	+++	61/72	<i>Helicobacter pylori</i> (~ 1x10 <sup>6</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1325333	++	61/72	<i>Helicobacter pylori</i> (~ 1x10 <sup>5</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1325334	+	61/72	<i>Helicobacter pylori</i> (~ 1x10 <sup>4</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)

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

<i>n = 35</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1325331	1325332	1325333	1325334	1325331	1325332	1325333	1325334	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	0	35 <sup>1)</sup>	35 <sup>1)</sup>	35 <sup>1)</sup>	n.d.	0	0	0	0
<b>Negativ</b>	35	0	0	0	nein <i>no</i>	35	35	35	35
<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 [25] (n = 12)	36	36 / 36	100	12	12 / 12	100
Ingenetix ClariRes [26] (n = 3)	9	9 / 9	100	3	3 / 3	100
Commercial assay [27] (n = 5)	15	15 / 15	100	5	5 / 5	100
In house PCR assay [28] (n = 16)	48	48 / 48	100	16	16 / 16	100
Andere / k.A. / other [29] (n = 1)	3	3 / 3	100	1	1 / 1	100

**Comments:** <sup>1)</sup> Twenty nine of the 35 participants reported results for molecular Clarithromycin-susceptibility testing. With the exception of 1 laboratory, all reported results were correct.