

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



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1315331	+++	61/72	<i>Helicobacter pylori</i> (~ 1x10 <sup>6</sup> CFU/mL) Clarithromycin susceptible (wildtype 23S rDNA sequence)
1315332	∅	62	<i>Escherichia coli</i> K12
1315333	+	61/71	<i>Helicobacter pylori</i> (~ 1x10 <sup>4</sup> CFU/mL) Clarithromycin resistant (GGA +GTA mut. in 23S rDNA)
1315334	∅	62	<i>Campylobacter jejuni</i> (~ 1x10 <sup>5</sup> CFU/mL)

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

<i>n = 48</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	1315331	1315332	1315333	1315334	1315331	1315332	1315333	1315334	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	48 <sup>1)</sup>	1	48 <sup>1)</sup>	0	n.d.	1	1	1	1
<b>Negativ</b>	0	47	0	48	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 [25] (n = 8)	16	16 / 16	100	15	15 / 16	94
Ingenetix ClariRes [26] (n = 2)	4	4 / 4	100	4	4 / 4	100
Commercial assay [27] (n = 9)	18	18 / 18	100	18	18 / 18	100
<i>In house</i> PCR assay [28] (n = 28)	56	56 / 56	100	56	56 / 56	100
Andere / k.A. / other [29] (n = 1)	2	2 / 2	100	2	2 / 2	100

**Comments:** <sup>1)</sup> Thirty two of the 48 participants reported results for molecular Clarithromycin-susceptibility testing. With the exception of 5 laboratories, all reported results were correct.

