

**PCR-/NAT *Bordetella pertussis*  
 (RV 532) Mai 2014**



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

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1415321	+++	61	<i>Bordetella pertussis</i> (~ 5x10 <sup>5</sup> CFU/mL)
1415322	∅	62	<i>Escherichia coli</i> K12
1415323	+	61	<i>Bordetella pertussis</i> (~ 1x10 <sup>4</sup> CFU/mL)
1415324	∅	62	<i>Bordetella holmesii</i> (~ 5x10 <sup>5</sup> CFU/mL)

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

*Absolute numbers of reported individual results.*

<i>n = 152</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
<i>Befund Result</i>	<i>1415321</i>	<i>1415322</i>	<i>1415323</i>	<i>1415324</i>	<i>1415321</i>	<i>1415322</i>	<i>1415323</i>	<i>1415324</i>	
<b>Positiv</b>	150	0	142	113	n.d.	2	2	2	2
<b>Negativ</b>	2	152	9	39	nein <i>no</i>	150	150	150	150
<b>Fraglich <i>Questionable</i></b>	0	0	1	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>
TIB Molbiol LightMix BP [20] (n = 17)	33	33 / 34	97	19	19 / 34	56
Diagenode <i>B.pertussis</i> [21] (n = 9)	17	17 / 18	94	9	9 / 18	50
GenoQuick <i>Bordetella</i> [22] (n = 11)	22	22 / 22	100	11	11 / 22	50
Other commercial tests [27] (n = 51)	95	95 / 101 <sup>§</sup>	94	76	76 / 102	75
<i>In house</i> PCR assay [28] (n = 63)	123	123 / 126	98	75	75 / 126	60
Andere / k.A. / other [29] (n = 1)	2	2 / 2	100	1	1 / 2	50

<sup>§</sup> Due to reporting questionable results, the number of true results (denominator in the „relative“ column) has been reduced.