

**PCR-/NAT *Bordetella pertussis*  
 (RV 532) November 2015**



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

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1525321	Ø	62	<i>Bordetella bronchiseptica</i> (~ 1x10 <sup>5</sup> CFU/mL)
1525322	++	61	<i>Bordetella pertussis</i> (~ 1x10 <sup>4</sup> CFU/mL)
1525323	Ø	62	<i>Escherichia coli</i> K12
1525324	Ø	62	<i>Bordetella parapertussis</i> (~ 1x10 <sup>5</sup> CFU/mL)

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

*Absolute numbers of reported individual results.*

<i>n = 146</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>1525321</i>	<i>1525322</i>	<i>1525323</i>	<i>1525324</i>		<i>1525321</i>	<i>1525322</i>	<i>1525323</i>	<i>1525324</i>
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	2	144	2	4	n.d.	2	2	2	2
<b>Negativ</b>	143	2	144	142	nein <i>no</i>	144	144	144	144
<b>Fraglich</b> <i>Questionable</i>	1	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>
TIB Molbiol LightMix BP [20] (n = 14)	14	14 / 14	100	41	41 / 42	98
Diagenode <i>B.pertussis</i> [21] (n = 7)	7	7 / 7	100	20	20 / 21	95
GenoQuick <i>Bordetella</i> [22] (n = 12)	12	12 / 12	100	35	35 / 35 <sup>§</sup>	100
RIDAGENE <i>Bordetella</i> [23] (n = 18)	18	18 / 18	100	54	54 / 54	100
Other commercial tests [27] (n = 37)	37	37 / 37	100	109	109 / 111	98
<i>In house</i> PCR assay [28] (n = 59)	57	57 / 59	97	172	172 / 177	97
Andere / k.A. / other [29] (n = 2)	2	2 / 2	100	6	6 / 6	100

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

\* 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