

**PCR-/NAT *Pneumocystis jirovecii*  
 (RV 560) November 2012**



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

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1225601	∅	62	<i>Escherichia coli</i> K12
1225602	++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 <sup>5</sup> CFU/mL)
1225603	(+)	61	<i>Pneumocystis jirovecii</i> (~ 1x10 <sup>3</sup> CFU/mL)
1225604	+	61	<i>Pneumocystis jirovecii</i> (~ 1x10 <sup>4</sup> CFU/mL)

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

<i>n</i> = 36	Probennummer (Sample no.)				Inhibition				
	1225601	1225602	1225603	1225604	1225601	1225602	1225603	1225604	
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	0	36	29	34	n.d.	0	0	0	0
<b>Negativ</b>	36	0	7 <sup>1)</sup>	2	nein <i>no</i>	36	36	36	36
<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 Anwenden verschiedener Methoden.**

*Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods.*

NAT-Methode [Code] (total number *)	NAT richtig positiv <i>True positive results</i>			NAT richtig negativ <i>True negative results</i>		
	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%	Absolut <i>Absolute</i>	Relativ <i>Relative</i>	%
Commercial assay / kit [26] (n =16)	45	45 / 48	94	16	16 / 16	100
In house PCR assay [27] (n = 19)	51	51 / 57	89	19	19 / 19	100
Andere / k.A. / other [28] (n = 1)	3	3 / 3	100	1	1 / 1	100

**Comments:** <sup>1)</sup> As sample #1225603 contained a very low number of *Pneumocystis jirovecii* DNA, negative PCR results were not rated as “false negative”, but the participants may consider to improve the analytical sensitivity of their corresponding PCR assays.