

**PCR-/NAT *Pneumocystis jirovecii*  
 (RV 560) November 2019**



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

*Sample composition and expected results.*

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1925601	+	61	<i>Pneumocystis jirovecii</i> (~ 5x10 <sup>3</sup> organisms/mL)
1925602	++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 <sup>5</sup> organisms/mL)
1925603	+	61	<i>Pneumocystis jirovecii</i> (~ 1x10 <sup>4</sup> organisms/mL)
1925604	∅	62	<i>Escherichia coli</i> K12

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

*Absolute numbers of reported individual results.*

<i>n = 120</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	1925601	1925602	1925603	1925604		1925601	1925602	1925603	1925604
<b>Befund</b> <i>Result</i>									
<b>Positiv</b>	105	120	119	0	n.d.	1	1	1	1
<b>Negativ</b>	14 <sup>1)</sup>	0	1	120	nein <i>no</i>	119	119	119	119
<b>Fraglich</b> <i>Questionable</i>	1 <sup>1)</sup>	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>	
	1925601		1925602		1925603		1925604	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
TIB Molbiol LightMix PJ [21] (n = 10)	9	90	10	100	10	100	10	100
r-Biopharm RIDAGENE PJ [22] (n = 33)	31	94	33	100	32	97	33	100
AmpliGnost PJ PCR Kit [23] (n = 9)	9	100	9	100	9	100	9	100
Sacace PJ Real TM [24] (n = 4)	4	100	4	100	4	100	4	100
Commercial assay / kit [27] (n = 33)	24	73	33	100	33	100	33	100
<i>In house</i> PCR assay [28] (n = 31)	28	93	31	100	31	100	31	100

**Comments:** <sup>1)</sup> As sample #1925601 contained a low number of *Pneumocystis jirovecii* target organisms, negative PCR results were not rated "false negative" in this EQAS distribution.