

**PCR-/NAT *Pneumocystis jirovecii*
 (RV 560) Juni 2017**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
1715601	+++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁵ CFU/mL)
1715602	∅	62	<i>Escherichia coli</i> K12
1715603	++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁴ CFU/mL)
1715604	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 102</i>	<i>Probennummer (Sample no.)</i>				<i>Inhibition</i>				
	<i>1715601</i>	<i>1715602</i>	<i>1715603</i>	<i>1715604</i>	<i>1715601</i>	<i>1715602</i>	<i>1715603</i>	<i>1715604</i>	
Befund <i>Result</i>									
Positiv	102	1	100	1	n.d.	0	0	0	0
Negativ	0	101	1	100	nein <i>no</i>	102	102	102	102
Fraglich <i>Questionable</i>	0	0	1	1	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>	%
TIB Molbiol LightMix PJ [21] (n =13)	26	26 / 26	100	26	26 / 26	100
r-Biopharm RIDAGENE PJ [22] (n =19)	38	38 / 38	100	36	36 / 37 [§]	97
AmpliGnost PJ PCR Kit [23] (n =7)	14	14 / 14	100	14	14 / 14	100
Sacace PJ RealTM [24] (n =3)	6	6 / 6	100	6	6 / 6	100
Commercial assay / kit [27] (n =14)	28	28 / 28	100	28	28 / 28	100
In house PCR assay [28] (n = 45)	88	88 / 89 [§]	99	89	89 / 90	99
Andere / k.A. / other [29] (n = 1)	2	2 / 2	100	2	2 / 2	100

[§] Due to reporting questionable results, the number of true results (denominator in the „relative“ column) has been reduced.