

**PCR-/NAT *Pneumocystis jirovecii*
 (RV 560) Mai 2020**



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2015601	++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁵ organisms/mL)
2015602	∅	62	<i>Escherichia coli</i> K12
2015603	∅	62	<i>Escherichia coli</i> K12
2015604	+	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁴ organisms/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 118</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>2015601</i>	<i>2015602</i>	<i>2015603</i>	<i>2015604</i>		<i>2015601</i>	<i>2015602</i>	<i>2015603</i>	<i>2015604</i>
Befund <i>Result</i>									
Positiv	117	2	1	107	n.d.	0	0	0	0
Negativ	0	115	116	10	nein <i>no</i>	118	118	118	118
Fraglich <i>Questionable</i>	1	1	1	1	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.

NAT-Methode [Code] (total number *)	NAT richtig positiv <i>True positive results</i>				NAT richtig negativ <i>True negative results</i>			
	2015601		2015604		2015602		2015603	
	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>	<i>Absolut</i> <i>Absolute</i>	<i>%</i>
Altona RealStar P.jirovecii (n = 12)	12	100	11	92	11	92	12	100
Amplex eazyplex P.jirovecii (n = 6)	6	100	2	33	6	100	6	100
AmpliGnost P.jirovecii (n = 9)	9	100	9	100	9	100	9	100
BioGX P.jirovecii (n = 3)	3	100	3	100	3	100	3	100
Biolegio Atypical Pneumonia-1 (n = 3)	3	100	3	100	3	100	3	100
FTD P.jirovecii (n = 5)	5	100	5	100	5	100	5	100

Sacace P.jirovecii Real TM (n = 3)	3	100	3	100	3	100	3	100
LightMix P.jirovecii (n = 11)	10	91	10	91	11	100	11	100
RIDAGENE P.jirovecii (n = 29)	29	100	27	93	28	97	29	100
Other commercial tests (n = 6)	6	100	5	83	5	83	5	83
In house PCR assay (n = 31)	31	100	29	94	31	100	30	97

Comments: ¹⁾ As sample # 2015604 contained a low number of *Pneumocystis jirovecii* target organisms, negative PCR results were not scored.