

**PCR-/NAT *Pneumocystis jirovecii*
 (RV 560) Mai 2021**

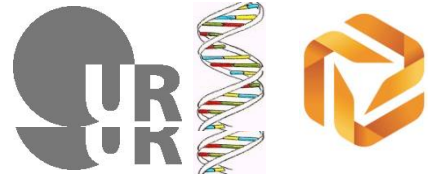


Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

	<i>Erwartet / expected</i>		<i>Probenzusammensetzung / Sample composition</i>
2115601	++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁵ organisms/mL)
2115602	+	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁴ organisms/mL)
2115603	∅	62	<i>Escherichia coli</i> K12
2115604	∅	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n = 122</i>	<i>Probennummer (Sample no.)</i>					<i>Inhibition</i>			
	<i>2115601</i>	<i>2115602</i>	<i>2115603</i>	<i>2115604</i>		<i>2115601</i>	<i>2115602</i>	<i>2115603</i>	<i>2115604</i>
Befund <i>Result</i>									
Positiv	117	106	0	0	n.d.	0	0	0	0
Negativ	5	16	122	122	nein <i>no</i>	122	122	122	122
Fraglich <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.

NAT-Methode [Code] (total number *)	NAT richtig positiv <i>True positive results</i>				NAT richtig negativ <i>True negative results</i>			
	2115601		2115602		2115603		2115604	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Altona RealStar P. <i>jirovecii</i> (n = 14)	14	100	14	100	14	100	14	100
Amplex eazyplex P. <i>jirovecii</i> (n = 8)	5	63	3	38	8	100	8	100
AmpliGnost P. <i>jirovecii</i> (n = 9)	9	100	8	89	9	100	9	100
BioGX P. <i>jirovecii</i> (n = 5)	5	100	5	100	5	100	5	100
LightMix P. <i>jirovecii</i> (n = 11)	11	100	11	100	11	100	11	100
RIDAGENE P. <i>jirovecii</i> (n = 30)	29	97	25	83	30	100	30	100
Other commercial tests (n = 14)	13	93	12	86	14	100	14	100
<i>In house</i> PCR assay (n = 31)	31	100	28	90	31	100	31	100

Comments: ¹⁾ As sample # 2115602 contained a low number of *Pneumocystis jirovecii* target organisms, negative PCR results were not scored.