

PCR-/NAT *Pneumocystis jirovecii*
(RV 560) Mai 2024



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

Proben Nr.	Erwartet / <i>expected</i>		Probenzusammensetzung / <i>Sample composition</i>
560A 240521 01	+++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁵ organisms/mL)
560A 240521 02	∅	62	<i>Escherichia coli</i> K12
560A 240521 03	++	61	<i>Pneumocystis jirovecii</i> (~ 2x10 ⁴ organisms/mL)
560A 240521 04	∅	62	<i>Escherichia coli</i> K12

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

<i>n</i> = 143	Proben Nr. (<i>Sample no.</i>)					Inhibition			
	01	02	03	04		01	02	03	04
Befund <i>Result</i>									
Positiv	143	0	142	1	n.d.	0	0	0	0
Negativ	0	143	1	142	nein <i>no</i>	143	143	143	143
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 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>			
	01		03		02		04	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Ademtech MycoGENIE p.jirovecii (n = 2)	2	100	2	100	2	100	2	100
Altona RealStar P. jirovecii (n = 21)	21	100	21	100	21	100	21	100
Amplex eazyplex P jirovecii (n = 7)	7	100	7	100	7	100	7	100
AmpliGnost P. jirovecii (n = 5)	5	100	5	100	5	100	5	100
AmpliSens P.jirovecii FRT (n = 1)	1	100	1	100	1	100	1	100
AusDiagnostics Resp. Pathogens 24-well (n= 1)	1	100	1	100	1	100	1	100
BioGX P.jirovecii (n = 12)	12	100	12	100	12	100	12	100
Biolegio Atypical Pneumonia-1 (n = 1)	1	100	1	100	1	100	1	100

Bruker Fungiplerx Pneumocystis IVD PCR (n = 3)	3	100	3	100	3	100	3	100
CerTest VIASURE P. jirovecii RT PCR (n = 7)	7	100	7	100	7	100	7	100
Pneumocystis ELITe MGB Kit (n = 4)	4	100	4	100	4	100	4	100
FTD P.jirovecii (n = 2)	2	100	2	100	2	100	2	100
PathoNostics PneumoGenius (n = 7)	7	100	7	100	7	100	7	100
Sacace P. jirovecii Real TM (n = 3)	3	100	3	100	3	100	3	100
LightMix P. jirovecii (n = 9)	9	100	9	100	9	100	9	100
r-Biopharm RIDAGENE P. jirovecii (n = 31)	31	100	30	97	31	100	30	97
In house PCR assay (n = 23)	23	100	23	100	23	100	23	100
Other commercial tests (n = 4)	4	100	4	100	4	100	4	100

Comments:

1. The following tests are listed under "Other commercial tests": MIKROGEN alphaCube P.jirovecii quant. (2x) and Bio-Evolution EUROIMMUN ITALIA P. jirovecii (1x).