

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



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / <i>expected</i>		Probenzusammensetzung / <i>Sample composition</i>
560A 241015 01	(+)	61	<i>Pneumocystis jirovecii</i> (~ 5x10 ³ organisms/mL)
560A 241015 02	++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁵ organisms/mL)
560A 241015 03	∅	62	<i>Escherichia coli</i> K12
560A 241015 04	+	61	<i>Pneumocystis jirovecii</i> (~ 5x10 ⁴ organisms/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 144	Proben Nr. (<i>Sample no.</i>)					Inhibition			
	01	02	03	04		01	02	03	04
Befund <i>Result</i>									
Positiv	135	144	0	144	n.d.	0	0	0	0
Negativ	9	0	144	0	nein <i>no</i>	144	144	144	144
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	
	01		02		04		03	
	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%	Absolut <i>Absolute</i>	%
Ademtech MycoGENIE p.jirovecii (n = 1)	1	100	1	100	1	100	1	100
Altona RealStar P. jirovecii (n= 17)	17	100	17	100	17	100	17	100
Amplex eazyplex P jirovecii (n= 9)	7	78	9	100	9	100	9	100
AmpliGnost P. jirovecii (n= 6)	5	83	6	100	6	100	6	100
AmpliSens P.jirovecii FRT (n= 2)	2	100	2	100	2	100	2	100
BioGX P.jirovecii (n= 15)	13	87	15	100	15	100	15	100
Biolegio Atypical Pneumonia-1 (n= 1)	1	100	1	100	1	100	1	100

Bruker Fungiplex Pneumocystis IVD PCR (n= 3)	3	100	3	100	3	100	3	100
CerTest VIASURE P. jirovecii RT PCR (n= 9)	7	78	9	100	9	100	9	100
Pneumocystis ELITe MGB Kit (n= 3)	3	100	3	100	3	100	3	100
PathoNostics PneumoGenius (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= 9)	9	100	9	100	9	100	9	100
r-Biopharm RIDAGENE P. jirovecii (n= 30)	29	97	30	100	30	100	30	100
In house PCR assay (n= 24)	23	96	24	100	24	100	24	100
Other commercial tests (n= 7)	7	100	7	100	7	100	7	100

The following tests are listed under "Other commercial tests": Bio-Evolution EUROIMMUN ITALIA P. jirovecii (1x), Genesig RT-PCR P. jirovecii (1x), MIKROGEN alphaCube P.jirovecii quant. (1x) and Zytomed VisionArray FUNGI (1x).