

PCR-/NAT *Pneumocystis jirovecii* (RV 560) Nov 2025



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
560A 251014 01	Ø	62	<i>Escherichia coli</i> K12
560A 251014 02	++	61	<i>Pneumocystis jirovecii</i> (~ 1x10 ⁵ organisms/mL)
560A 251014 03	Ø	62	<i>Escherichia coli</i> K12
560A 251014 04	+++	61	<i>Pneumocystis jirovecii</i> (~ 5x10 ⁵ organisms/mL)

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 146		Proben Nr. (Sample no.)				Inhibition				
Befund Result		01	02	03	04		01	02	03	04
Positiv		0	143	5	140	n.d.	0	0	0	0
Negativ		146	3	141	6	nein no	146	146	146	146
Fraglich Questionable		0	0	0	0	ja yes	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 True positive results				NAT richtig negativ True negative results			
	02		04		01		03	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
Ademtech MycoGENIE p.jirovecii (n = 1)	1	100	1	100	1	100	1	100
Altona RealStar P. jirovecii (n = 18)	18	100	18	100	18	100	18	100
Amplex eazyplex P jirovecii (n = 8)	8	100	8	100	8	100	8	100
AmpliGnost P. jirovecii (n = 6)	6	100	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)	14	93	14	93	15	100	14	93
Biolegio Atypical Pneumonia-1 (n = 1)	1	100	1	100	1	100	1	100
Bruker Fungiplex Pneumocystis PCR (n = 3)	3	100	3	100	3	100	3	100

CerTest VIASURE P. jirovecii RT PCR (n = 10)	10	100	9	90	10	100	10	100
Pneumocystis ELITe MGB Kit (n = 4)	4	100	4	100	4	100	4	100
PathoNostics PneumoGenius (n = 8)	8	100	8	100	8	100	8	100
Sacace P. jirovecii Real TM (n = 3)	3	100	3	100	3	100	3	100
TIB Molbiol LightMix P. jirovecii (n = 9)	9	100	9	100	9	100	9	100
r-Biopharm RIDAGENE P. jirovecii (n = 28)	27	96	27	96	28	100	27	96
In house PCR assay (n = 22)	22	100	21	95	22	100	21	95
Other commercial tests (n = 8)	7	88	6	75	8	100	6	75

Comments:

1. The following tests are listed under "Other commercial tests": AusDiagnostics Pneumonia 16-well (1x), Bio-Evolution EUROIMMUN ITALIA P. jirovecii (1x), Genesig RT-PCR P. jirovecii (1x), Ingenetix MycoReal Kit Pneumocystis (1x), LabTurbo AIO Pneumocystis jirovecii DNA Testing Kit (1x), Liaison MDX (1x), MIKROGEN alphaCube P.jirovecii quant (1x) and Roche cobas 5800, 6800 or 8800 (1x).