

PNEUMOCYSTIS JIROVECI

Accurate and reliable real-time PCR kit for the detection of *Pneumocystis jirovecii*

PNEUMOCYSTIS JIROVECI REALTIME PCR KIT

Real-time PCR kit to detect nucleic acid from *Pneumocystis jirovecii* (PJI) in human bronchoalveolar lavage samples.

- 2 targets Multiplex PCR detection- one single reaction tube per sample.
- Contains 4 Quantification Standards to distinguish invasion from colonization, as well as treatment monitoring.
- Internal control for monitoring the carry-over of amplification inhibitors and the correct amplification set-up.
- Human control to monitor sample extraction yield and quality.
- Suitable for 3-channel qPCR cyclers (FAM, HEX/VIC and Cy5)
- Lyophilized and pre-dispensed presentation in tubes to ensure stability and reduce transport costs.



Ref. RTPCR027-LP

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APPLICATIONS

Human bronchoalveolar lavage (BAL) is the most common sample

CONTENT

Single mixture, reconstitution solution and negative control. In addition, the kit contains 4 quantification standards that can be used as positive control. The mix includes internal control primers/probes to control amplification inhibitor carry-over and correct amplification set-up.

COMPATIBILITY

Extraction systems:

BioMérieux (NucliSENS® easyMag®), Roche (MagNA Pure System), TANBead (Maelstrom 4800 y 9600), Thermo Fisher Scientific (KingFisher Flex) and Bruker (GenoXtract 12), among others.

Realtime PCR thermocyclers:

Bio Rad (CFX96 Touch™), Thermo Fisher Scientific (QuantStudio 5) and Azure (Cielo 6), among others.

TARGETS

	Target	Channel
Pneumocystis jirovecii (PJI)	mDNA SSU and mDNA LSU	FAM
Human DNA	RNAse P	HEX/VIC
Internal Control (IC)	Exogenous DNA	Cy5

PERFORMANCE

	Sensitivity	Specificity	No. of samples
PJI	98%	100%	111

INFORMATION AND RELATED PRODUCTS

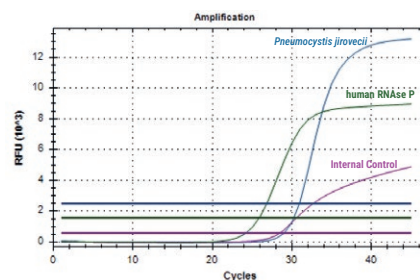
Description	Reference	Class	Content
PNEUMOCYSTIS JIROVECII REALTIME PCR KIT	RTPCR027-LP	CE ₀₁₂₃ IVDR	48 tests
RESPIRATORY SWAB MATRIX NEGATIVE CONTROL	MC110	RUO	10 tests

INTERPRETATION OF THE RESULTS

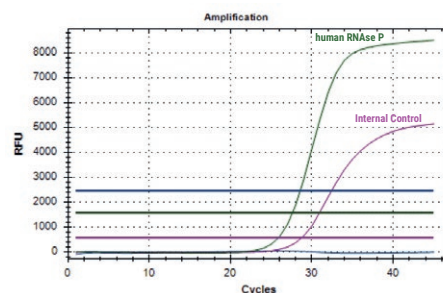
The PNEUMOCYSTIS JIROVECII REALTIME PCR KIT allows two types of tests:

- Quantitative analysis:** the kit includes 4 quantification standards (QS1-QS4) that can be used to generate a standard curve and determine the concentration of PJI DNA in the sample
- Qualitative analysis:** the quantification standards included in this kit can be used as a positive control for qualitative analysis.

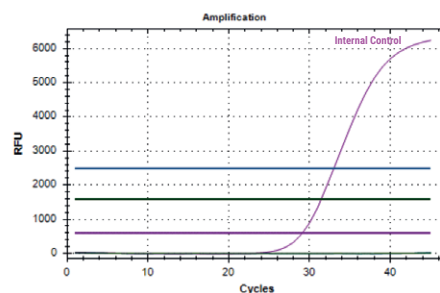
POSITIVE SAMPLE FOR PJI



NEGATIVE SAMPLE FOR PJI



NEGATIVE CONTROL OF THE KIT



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