

PNEUMOCYSTIS JIROVECII 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



PNEUMOCYSTIS JIROVECII

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

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
PJII	98%	100%	111

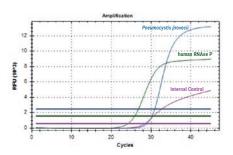
INTEPRETATION OF THE RESULTS



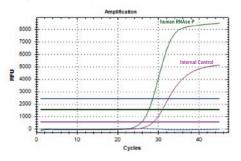
The PNEUMOCYSTIS JIROVECII REALTIME PCR KIT allows two types of tests:

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

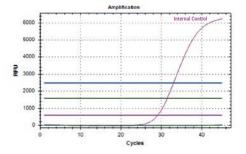
POSITIVE SAMPLE FOR PJI



NEGATIVE SAMPLE FOR PJI



NEGATIVE CONTROL OF THE KIT



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

Vircell, S.L. Parque Tecnológico de la Salud, Avicena 8. 18016 Granada, España. info@vircell.com Vircell Spain, S.L.U. Pol. Ind. Dos de Octubre, Plaza Domínguez Ortiz 1. 18320 Santa Fe, Granada Delegación Madrid: 913 457 903. Delegación Barcelona: 933 099 530. www.vircell.com

