

Pneumocystis jirovecii Real-Time PCR



Quantitative detection of *Pneumocystis jirovecii* (Duplex)

Target sequence : Mitochondrial large sub-unit rRNA

Specificity : No interference in the performance : *A. flavus*, *A. nidulans*, *A. niger*, *A. terreus* and *A. versicolor*, *C. albicans*, *C. glabrata*, *C. lusitaniae*, *Penicillium*, *Fusarium*, *S. epidermidis*, *S. aureus*, *P. aeruginosa*

Validated Sample Materials : Sputum, BAL

Validated Real-Time PCR Devices : Roche Diagnostics® (LightCycler® 480 real-time instrument I & II), BioRad (CFX96 real-time PCR detection system), Applied Biosystems® (ABI7500 real-time PCR system), Cepheid® (SmartCycler II®), Agilent technologies (MX3000P qPCR system), Qiagen (Rotorgene)

Analytical Sensitivity (LOD) : 4 copies for the mitochondrial gene of *Pneumocystis jirovecii*

ADEMTECH QUALITY

Technology : Real-Time PCR using hydrolysis probe detection chemistry

Ready to use mix included

Controls Included : Internal control (checking both extraction and amplification) and Positive control

Kit Storage : -20°C

Validated Isolations Methods : MycoGENIE DNA Extraction Kits

Quality Assurance : Regularly tested by QCMD (External Quality Assessment panels), validated in strict compliance with the MIQE guidelines

Certification : CE IVD