

PneumoGenius®

Multiplex real-time PCR kit

Detection and quantification of *Pneumocystis jirovecii* and DHPS mutations.



Features & benefits

- Aids in the diagnosis of Pneumocystosis
- Direct identification in BAL samples
- Quantification standards included
- Sample-to-result in less than 3 hours
- Sulfa drug resistance markers included (DHPS mutations)
- High sensitivity due to detection of conserved multi copy genes (mtLSU)
- Clinically validated on BAL samples (published data)

Products & targets

Product

PN-600 PneumoGenius® multiplex kit (25 rxn)

Targets

- *Pneumocystis jirovecii*
- DHPS resistance (codons 55 and 57)
- Internal Control (IC)
- Quantification standards:
 - Standard 1: 10000 copies/µl
 - Standard 2: 1000 copies/µl
 - Standard 3: 100 copies/µl
 - Standard 4: 10 copies/µl

Real-time PCR instruments (validated)

- LC480 II (Roche)
- RotorGene Q (Qiagen)
- CFX96 (Biorad)
- Quantstudio 5 (Thermo Fisher Scientific)
- Mic qPCR cyclers (Bio Molecular Systems)

Diagnostic specimens

- BAL samples

DNA extraction

- EasyMAG extraction (Biomérieux)
- QIAamp® Blood minikit (Qiagen)

Quality

- Validated on clinical samples
- Internal Control (IC) included
- Positive Controls (PCs) included
- Validated on EQA programmes of QCMD
- **CE**-IVD marked

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