

AsperGenius®

Multiplex real-time PCR kit

Detection and identification of *Aspergillus fumigatus*, *Aspergillus terreus*, *Aspergillus* species and azole resistance markers TR34 and TR46.



Features & benefits

- Aids in the diagnoses of Invasive Aspergillosis (IA)
- Differentiation of *A. fumigatus*, *A. terreus* and *A. species*
- Identification of the most prevalent azole-resistance markers:
 - L98H/TR34
 - TR46/Y121F/T289A
- Sample-to-result in less than 3 hours
- Companion diagnostic strategy with galactomannan (high sensitivity and specificity)
- Best clinically validated PCR assay according to recent publications
- Validated on organ transplant/hematology/ Intensive Care patient cohorts
- Can be used in a 'diagnostic driven' approach
- Allows for timely, targeted antifungal treatment resulting in improved clinical outcome

PathoNostics®

Products & targets

Product

PN-001 AsperGenius® Species multiplex kit (50 rxn)

Targets

Species multiplex

- *Aspergillus fumigatus*
- *Aspergillus terreus*
- *Aspergillus* species
- Internal Control (IC)

Product

PN-002 AsperGenius® Resistance multiplex kit (50 rxn)

Targets

Species multiplex

- *Aspergillus fumigatus*
- *Aspergillus terreus*
- *Aspergillus* species
- Internal Control (IC)

Resistance multiplex

- L98H
- Tandem repeat 34
- T289A
- Y121F

Aspergillus test panel

PN-504 *Aspergillus* Extraction test panel

- For validation of AsperGenius® multiplex kits
- Contains four spiked samples with wildtype and resistant *Aspergillus* spp.
- Contains fungal-fragments and free circulating DNA

Real-time PCR instruments (validated)

- LightCycler 480 II (Roche)
- Rotor-Gene Q (Qiagen)
- CFX96 (Biorad)
- Quantstudio 5 (Thermo Fisher Scientific)
- Mic qPCR cycler (Bio Molecular Systems)
- ABI7500 (Thermo Scientific)*

*only AsperGenius® Species multiplex kit

Diagnostic specimens

- Bronchoalveolar lavage (BAL) samples
- Serum samples
- Plasma samples
- Biopsy, CSF samples (not validated)

DNA extraction

- EasyMAG (bioMérieux)
- QIAamp MinElute Virus Spin kit (Qiagen)
(not validated)

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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