

AsperGenius® 2.0 Species (PN-101)

AsperGenius® 2.0 Resistance TR (PN-201)

Multiplex real-time PCR kit

Detection and identification of *Aspergillus fumigatus*, *Aspergillus flavus*, *Aspergillus terreus**, *Aspergillus* species (PN-101), and the TR34/TR46 azole resistance markers (PN-201).



New

- Fast cycling protocol
- Detection of *A. flavus* included
- Enhanced fluorescence detection

Features & benefits

- Aids in the diagnosis of Invasive Aspergillosis (IA)
- Differentiation of *A. fumigatus*, *A. flavus*, and *Aspergillus* species
- *Differentiation of *A. terreus* possible (in 5th detection channel)
- Identification of azole-resistance markers TR34 and TR46 in *A. fumigatus*
- Detection in BAL, serum and plasma samples; no culture required
- Identical PCR protocol for both the Species and Resistance TR multiplex assays
- PCR run time approximately 1 hour
- Allows for timely, targeted antifungal treatment resulting in improved clinical outcome

Products & targets

Product

PN-101: AsperGenius® 2.0 Species Multiplex real-time PCR kit (50 rxn)

Targets

Species multiplex

- *Aspergillus fumigatus*
- *Aspergillus flavus*
- *Aspergillus species*
- Internal Control (IC)
- *Aspergillus terreus*
Rotor-Gene® Q or CFX96 only

Product

PN-201: AsperGenius® 2.0 Resistance TR Multiplex real-time PCR kit (50 rxn)

Targets

Resistance TR multiplex

- *Aspergillus fumigatus* TR34
- *Aspergillus fumigatus* TR46
- *Aspergillus fumigatus* cyp51A (WT)
- Internal Control (IC)

Real-time PCR instruments

- LightCycler® 480 II (Roche)
- Rotor-Gene® Q (QIAGEN)
- CFX96 (Bio-Rad)
- QuantStudio™ 5 (Thermo Fisher Scientific)
- Mic qPCR cyclers (Bio Molecular Systems)


Diagnostic specimens

- Bronchoalveolar lavage (BAL) samples
- Serum and plasma samples

DNA extraction

- NucliSENS® easyMAG® (bioMérieux)
- QIAamp MinElute Virus Spin kit (QIAGEN)

Quality

- Validated on clinical samples (BAL)
- Internal control included
- Positive control included
- Validated on EQA programmes of QCMD
- -IVD certified

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