

# PATHONOSTICS



**AsperGenius®**: a multiplex Real Time PCR assay for the detection of *Aspergillus fumigatus* and identification of azole resistance markers.

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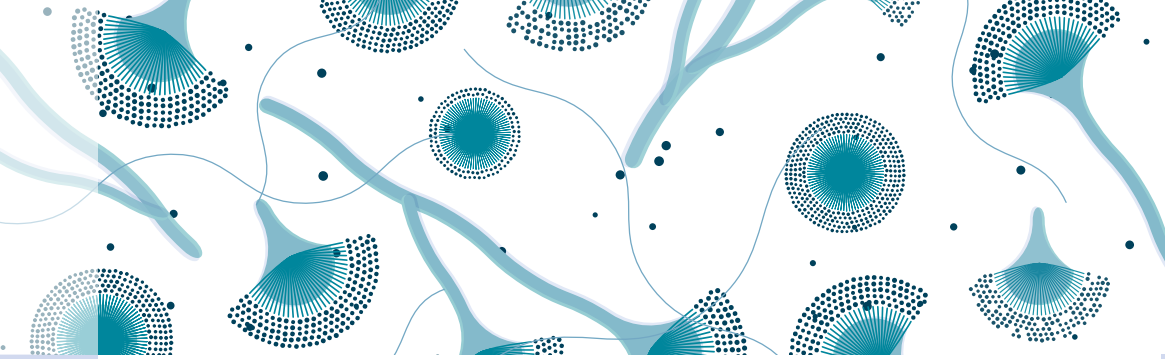
## Overview

AsperGenius® is a multiplex real-time PCR assay developed by PathoNostics. It rapidly diagnoses *Aspergillus* infections

and simultaneously identifies azole resistance. Within 2,5 hours, detection and characterization is accomplished in lower respiratory tract samples of *Aspergillus* infected patients. AsperGenius® allows for timely, targeted antifungal treatment resulting in reduced toxic side effects and improved treatment outcome in these patients.

The AsperGenius® multiplex PCR assay is suitable for real-time PCR instruments using melting curve analysis and has been validated on LightCycler 480 (Roche), Rotor-Gene 6000 (Corbett) and Rotor-Gene Q (Qiagen).





## Products

### AsperGenius® Species multiplex

(PN-001) – 50 reactions

- Detection and differentiation of *Aspergillus* species

### AsperGenius® Resistance multiplex

(PN-002) – 50 reactions

- Detection and differentiation of *Aspergillus* species
- Identification of 4 azole resistance markers in *Aspergillus fumigatus*

## Targets

### Species multiplex

- *Aspergillus fumigatus*
- *Aspergillus terreus*
- *Aspergillus* species
- Internal Amplification Control (IAC)

### Resistance multiplex

- L98H
- Tandem repeat 34
- T289A
- Y121F

## Diagnostic specimens

- Bronchoalveolar lavage (BAL) samples from hematology patients
- Bronchoalveolar lavage (BAL) samples from intensive care unit patients

## Quality

- Validated on fungal cultures
- Validated on clinical samples (BAL)
- **CE**-IVD marked

## Features and benefits

- Direct detection on clinical samples
- Identification of the most prevalent triazole resistance mutations
- Diagnosis within 2,5 hours after nucleic acid extraction
- Internal Amplification Control (IAC) included
- Positive controls included
- Interpretation software available

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