

Information

always your partner

A new Generation of AsperGenius® Multiplex real-time PCR tests

AsperGenius® 2.0 Species & AsperGenius® 2.0 Resistance TR

Aspergillus fumigatus and *A. flavus* are the most prevalent *Aspergillus* species causing invasive pulmonary aspergillosis.

The first line therapy in invasive aspergillosis relies on the usage of azole-based drugs. Since begin of this century an increase of azole-resistant *A. fumigatus* isolates is observed. The incidence of azole resistances ranges from 5% up to 20% between different years. The combination of point mutations on the *cyp51A* gene with a TR34 or TR46 mutation causes >99% of all azole resistances (UMC Utrecht)

AsperGenius® 2.0 Species Multiplex real-time PCR Kit

Detection and identification of *A. fumigatus*, *A. flavus*, *A. terreus* and *Aspergillus* species

50 reaction / kit

Art.-No. PN-101

AsperGenius® 2.0 Resistance TR Multiplex real-time PCR Kit

Identification of azole-resistance markers TR34, TR46 and *cyp51A* in *A. fumigatus* by normal real-time PCR detection

50 reactions / kit

Art.-No. PN-201

- PCR with enhanced fluorescence detection and a run time of approximately 1 hour
- Identical PCR protocol for both the Species and the Resistance TR multiplex assays

Targets and validated real-time instruments

Targets / RT Cycler	Rotor-Gene Q (QIAGEN)	CFX96 (Bio-Rad)	Quantstudio™5 (Thermo Fisher Scientific)	LightCycler® 480 II (Roche)	Mic qPCR cycler (bioMolecular Systems)
Species Multiplex					
<i>A.fumigatus</i>	X	X	X	X	X
<i>A.flavus</i>	X	X	X	X	X
<i>A.terreus</i>	X	X	X		
<i>A.species</i>	X	X	X	X	X
Internal Control	X	X	X	X	X
Resistance TR Multiplex					
<i>A.fumigatus</i> TR46	X	X	X	X	X
<i>A.fumigatus</i> TR34	X	X	X	X	X
<i>A.fumigatus</i> cyp51A (WT)	X	X	X	X	X
Internal Control	X	X	X	X	X

Diagnostic specimens

- Bronchoalveolar (BAL) samples
- Serum and plasma samples

DNA Extractions

- NucliSENS easyMAG® (bioMerieux)
- QIAamp MiniElute Virus Spin kit (QIAGEN)

Quality

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

See also:

MucorGenius® Multiplex real-time PCR (CE-IVD):

Art.-Nr. PN-600

TECO®Aspergillus Galactomannan Assay (CE-IVD):

Art.-Nr. TE 1067

TECO®Fast Aspergillus Ag Lateral Flow Assay (CE-IVD):

Art.-Nr. TE 1069

TECO®Fast Aspergillus IgG Lateral Flow Assay (CE-IVD):

Art.-Nr. TE 1070

Für weitere Informationen wenden Sie sich bitte an:

For further information please contact:

Pour plus d'information, veuillez contacter:

www.tecomedical.com



A EUROBIO SCIENTIFIC COMPANY

Switzerland / Headquarters

TECOmedical AG

Gewerbestrasse 10

4450 Sissach

Phone +41 61 985 81 00

Fax +41 61 985 81 09

Mail info@tecomedical.com

Germany

TECOmedical GmbH

Wasserbreite 57

32257 Bünde

Phone +49 52 23 985 99 99

Fax +49 52 23 985 99 98

Mail info@tecomedical.com

Austria

TECOmedical AG

Phone 0800 20 40 66

Fax 0800 20 40 55

Mail info@tecomedical.com