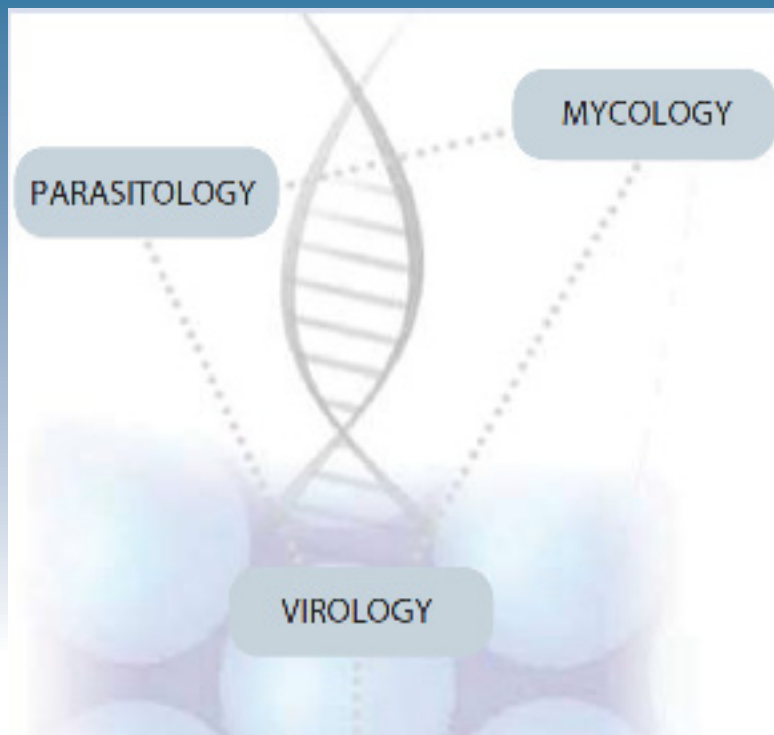


# Real-Time PCR MycogenIE Solutions

For *In Vitro* Diagnostics



**ademtech**  
[www.ademtech.com](http://www.ademtech.com)

# Aspergillus fumigatus Real-Time PCR



## Qualitative detection of *Aspergillus fumigatus* DNA and TR34/L98H mutations (Quadruplex)

**Target sequence :** 28S rDNA (*A. fumigatus*) and mutations TR34, L98H

**Specificity :** No interference in the performance : *A. flavus*, *A. nidulans*, *A. niger*, *A. terreus* and *A. versicolor*, *C. albicans*, *C. glabrata*, *C. lusitaniae*, *Penicillium*, *Fusarium*, *S. epidermidis*, *S. aureus*, *P. aeruginosa*

**Validated Sample Materials :** Serum, Plasma, Sputum, BAL, Fresh and Frozen Tissus

**Validated Real-Time PCR Devices :** Roche Diagnostics® (LightCycler® 480 real-time instrument I & II) BioRad (CFX96 real-time PCR detection system), Applied Biosystems® (ABI7500 real-time PCR system), Cepheid® (SmartCycler II®), Agilent technologies (MX3000P qPCR system), Qiagen (Rotorgene)

**Analytical Sensitivity (LOD) :** 6 copies for the monocopy genes (mutations TR34 and L98H) and 1 copy for the multicopy gene (*Aspergillus fumigatus* rDNA)

# Aspergillus species Real-Time PCR



## Qualitative detection of *Aspergillus species* (Duplex)

**Target sequence :** Aspergillus spp : *A. flavus*, *A. nidulans*, *A. niger*, *A. terreus* and *A. versicolor*, *A. fumigatus*

**Specificity :** No interference in the performance *C. albicans*, *C. glabrata*, *C. parapsylosis*, *Fusarium sp.* and *Fusarium solani*, *Sporothrix*, *Mycetome*, *Acremonium* and *Scedosporium*.

**Validated Sample Materials :** Serum, Plasma, Sputum, BAL, Fresh and Frozen Tissus

**Validated Real-Time PCR Devices :** Roche Diagnostics® (LightCycler® 480 real-time instrument I & II), Biorad (CFX96 real-time PCR detection system)

**Analytical Sensitivity (LOD) :** 10 copies for the multicopy gene (*Aspergillus spp.* rRNA gene) and < 1 genome copy for quantified genomic DNA

# *Pneumocystis jirovecii* Real-Time PCR



## Quantitative detection of *Pneumocystis jirovecii* (Duplex)

**Target sequence :** Mitochondrial large sub-unit rRNA

**Specificity :** No interference in the performance : *A. flavus*, *A. nidulans*, *A. niger*, *A. terreus* and *A. versicolor*, *C. albicans*, *C. glabrata*, *C. lusitaniae*, *Penicillium*, *Fusarium*, *S. epidermidis*, *S. aureus*, *P. aeruginosa*

**Validated Sample Materials :** Sputum, BAL

**Validated Real-Time PCR Devices :** Roche Diagnostics® (LightCycler® 480 real-time instrument I & II) BioRad (CFX96 real-time PCR detection system), Applied Biosystems® (ABI7500 real-time PCR system), Cepheid® (SmartCycler II®), Agilent technologies (MX3000P qPCR system), Qiagen (Rotorgene)

**Analytical Sensitivity (LOD) :** 4 copies for the mitochondrial gene of *Pneumocystis jirovecii*

### ADEMTECH QUALITY

**Technology :** Real-Time PCR using hydrolysis probe detection chemistry

**Ready to use mix included**

**Controls Included :** Internal control (checking both extraction and amplification) and Positive control

**Kit Storage :** -20°C

**Validated Isolations Methods :** MycoGENIE DNA Extraction Kits

**Quality Assurance :** Regularly tested by QCMD (External Quality Assessment panels), validated in strict compliance with the MIQE guidelines

**Certification :** CE IVD



# Ordering Information

## Real-Time PCR Kits

Product Name	Code Number	Capacity
MycOGENIE <i>Aspergillus fumigatus</i> Real-Time PCR Kit	#60303	48 tests
MycOGENIE <i>Aspergillus species</i> Real-Time PCR Kit	#60307	48 tests
MycOGENIE <i>Pneumocystis jirovecii</i> Real-Time PCR Kit	#60308	24 tests

**For more information please visit  
[www.ademtech.com](http://www.ademtech.com)**