



Aspergillus fumigatus Drug Testing Panel

ATCC *Aspergillus fumigatus* Drug Testing Panel (ATCC® MP-12™) represents strains exhibiting various levels of sensitivity to common antifungal drugs. This unique set of *Aspergillus fumigatus* strains is useful for pathobiology, drug discovery and development, epidemiological studies, in-depth taxonomic investigations, and other applications. The table shown below describes the antimicrobial susceptibility testing performed by ATCC. The isolation source and geographical location for each strain has been provided, if known.

ATCC® No.	Description	Comments [§]	Isolation Source*	Geographical Location	MIC (µg/mL) to Drugs**			
					Amphotericin B	Posaconazole	Voriconazole	Itraconazole
1022™	QM 1981	Type strain	Chicken Lung	Connecticut, USA	1	0.03	0.25	0.06
32820™	NCMH 77	Albino variant	Human PNA	North Carolina, USA	2	<0.008	0.06	<0.015
90906™	151	T126C substitution	Human blood	Essen, Germany	2	0.015	0.25	0.06
96918™	SRRC 2006	ICPA Reference	N/A	N/A	1	0.06	0.5	0.12
MYA-3626™	T33439	CLSI M38-A2	N/A	California, USA	1	0.03	0.25	0.12
MYA-3627™	FG1432	CLSI M38-A2	N/A	Tennessee, USA	1	0.12	0.25	0.5
MYA-4609™	Af293	Genome sequenced	Human IPA	UK	2	0.06	0.5	0.12

Notes: [§]T126C substitution refers to a base pair change in the ITS region of ATCC 90906 compared to the annotation of sequenced genome of MYA-4609; ICPA stands for International Committee on *Penicillium* and *Aspergillus*; and CLSI as Clinical Laboratory Science Institute. * IPA: invasive pulmonary aspergillosis; PNA, paranasal aspergilloma. ** Minimal growth inhibitory concentration (µg/mL) is obtained by using TREK Diagnostic System's YeastOne product. Each value in the table is average of two independent testings, recorded at the 48 hour incubation. The data, different from those obtained by using traditional broth dilution methods, are provided for information purpose only to show their relative sensitivity to each drug. All strains of *Aspergillus fumigatus* tested in this study appear to be insensitive to fluconazole (up to 256 µg/mL). Testing of anidulafungin, micafungin, caspofungin, and 5-flucytosine yielded inconsistent results by this test method.