

MICRO PANEL

ASPERGILLUS FUMIGATUS DRUG TESTING PANEL

ATCC *Aspergillus fumigatus* Drug Testing Panel (ATCC® [MP-12™](#)) represents strains exhibiting various levels of sensitivity to common anti-fungal drugs. This unique set of *Aspergillus fumigatus* strains is useful for pathobiology, drug discovery and development, epidemiological studies, indepth 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.