

# MICRO PANEL

## CANDIDA ALBICANS DRUG RESISTANCE PANEL

ATCC *Candida albicans* Drug Resistance (CaDR) Panel (ATCC® MP-8™) represents strains resistant to one or more antifungal drugs. It also includes two sensitive strains that have been typed and sequenced to serve as controls. Strain difference in genetic background is denoted by variance in the yeast DNA barcoding region. This unique set of *Candida albicans* strains is useful for assay development, novel drug testing, and other applications.

ATCC® No.	Strain Designation	D1D2 Variance**	Isolation Source	Geographical Region	Anidula-fungin	Mica-fungin	Caspo-fungin	5-flu-cytosine	Voricon-azole	Itracon-azole	Flucon-azole
<a href="#">64124™</a>	Darlington	T455C	Human mouth swab	Unknown	R	R	R	I	R	R	R
<a href="#">10231™</a>	3147	T455C, T601A	Human bronchomy-cosis	Unknown	R	S	S	S	R	R	R
<a href="#">76485™</a>	--	T455C	Human infant cerebrospi-nal fluid	Dallas, Texas (USA)	R	S	R	S	S	S	S
<a href="#">28121™</a>	304	C263T, T455C, T601TT	Human feces	California (USA)	S	S	S	S	R	R	R
<a href="#">90819™</a>	CATW 4/19	A570G, T601T	Human	Milwaukee, WI (USA)	S	S	S	S	R	R	R
<a href="#">MYA-1023™</a>	GT 157	T455C, A570G, T601A	Human	West Virginia (USA)	S	S	S	S	R	R	R
<a href="#">MYA-427™</a>	A39	None	Human blood	Belgium	S	S	S	S	R	R	R
<a href="#">MYA-574™</a>	Gu5	T455C	Human AIDS patient	Germany	S	S	S	S	R	R	R
<a href="#">38289™</a>	Tu 62823	T455C	Human female urethra	Unknown	S	S	S	S	R	R	S
<a href="#">11651™</a>	171D	T455C	Human lung pus	Virginia (USA)	S	S	S	S	S	R	S
<a href="#">96901™</a>	321182	T455C	Human HIV-positive patient	Omaha, NE (USA)	S	S	S	S	S	S	R
<a href="#">90029™</a>	NCCLS 67	T455C	Human blood	Iowa (USA)	S	S	S	R	S	S	S

ATCC® No.	Strain Designation	D1D2 Variance**	Isolation Source	Geographical Region	Anidula-fungin	Mica-fungin	Caspo-fungin	5-flucy-tosine	Voricon-azole	Itracon-azole	Flucon-azole
<a href="#">MYA-2876™</a>	SC5314*	T455C	Human clinical isolate	Unknown	S	S	S	S	S	S	S
<a href="#">18804™</a>	CBS 562	Type strain	Human skin - erosio interdigitalis	Uruguay	S	S	S	S	S	S	S

\*ATCC [MYA-2876™](#), SC5314, is a widely studied, genome-sequenced, wild type strain that has been included as a control for both gene sequence and drug sensitivity.

\*\*0102 variance refers to the nucleotide difference in the 0102 region of LSU rDNA as compared to the Type Strain of *Candida albicans* (ATCC® [18804™](#)). The nucleotide position is referenced using GenBank NW\_139715 (*C. albicans* SC5314 28S rDNA gene) annotation. A nucleotide substitution at position 455 from T (in the Type Strain) to C is expressed as T455C. The v symbol denotes an insertion at a given position, e.g., 601 TT denotes an insertion of two T's at position 601.

The data above was generated by ATCC through testing of the earliest seed stock available based on protocols described in: Clinical and Laboratory Standards Institute (CLSI) published standard, Reference Method for Broth Dilution Antifungal Susceptibility Testing of Yeasts; Approved Standard-Second Edition /M27-A2). Analysis was performed using YeastOne® plates Y09 and YeastOne® broth Y3462 from TREK Diagnostic Systems (part of Thermo Fisher Scientific). The interpretation of resistance (R), intermediate (I), and susceptibility (S) was made according to guidelines described in the vendor's product instruction and relevant CLSI documents. ATCC provides these data in good faith, but makes no warranty, express or implied, nor assumes any legal liability or responsibility for any purpose for which the data are used. The ATCC trademark and trade name, any and all ATCC catalog numbers, and any other trademarks listed are trademarks of the American Type Culture Collection unless indicated otherwise. YeastOne® is a registered trademark of TREK Diagnostic Systems (part of Thermo Fisher Scientific). ATCC products are intended for laboratory research only. They are not intended for use in humans, animals or diagnostics.

10801 University Boulevard  
Manassas, Virginia 20110-2209

 703.365.2700

 703.365.2701

 [sales@atcc.org](mailto:sales@atcc.org)

 [www.atcc.org](http://www.atcc.org)

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