

Mast Discs Antifungal Susceptibility Test Discs

Suggested QC zone diameters based on data collated from CLSI and internal laboratory studies

Clotrimazole CTM 10C using Internal Quality Control Criteria:

ATCC	Mast Code	Organism	Criteria mm
ATCC®90028	Ca30	<i>Candida albicans</i>	25-31
ATCC®22019	Ca43	<i>Candida parapsilosis</i>	27-34
ATCC®6258	Ca42	<i>Candida krusei</i>	25-30
ATCC®750	Ca79	<i>Candida tropicalis</i>	25-31

Econazole ECN 10C using Internal Quality Control Criteria:

ATCC	Mast Code	Organism	Criteria mm
ATCC®90028	Ca30	<i>Candida albicans</i>	26-35
ATCC®22019	Ca43	<i>Candida parapsilosis</i>	16-25
ATCC®6258	Ca42	<i>Candida krusei</i>	10-19
ATCC®750	Ca79	<i>Candida tropicalis</i>	17-26

Fluconazole FCN 25C using CLSI Quality Control Criteria:

ATCC	Mast Code	Organism	Criteria mm
ATCC®90028	Ca30	<i>Candida albicans</i>	28-39
ATCC®22019	Ca43	<i>Candida parapsilosis</i>	-
ATCC®6258	Ca42	<i>Candida krusei</i>	22-33
ATCC®750	Ca79	<i>Candida tropicalis</i>	26-37

Ketoconazole KCA 10C using Internal Quality Control Criteria:

ATCC	Mast Code	Organism	Criteria mm
ATCC®90028	Ca30	<i>Candida albicans</i>	32-40
ATCC®22019	Ca43	<i>Candida parapsilosis</i>	24-32
ATCC®6258	Ca42	<i>Candida krusei</i>	32-39
ATCC®750	Ca79	<i>Candida tropicalis</i>	35-40

Miconazole MCL 10C using Internal Quality Control Criteria:

ATCC	Mast Code	Organism	Criteria mm
ATCC®90028	Ca30	<i>Candida albicans</i>	19-28
ATCC®22019	Ca43	<i>Candida parapsilosis</i>	12-21
ATCC®6258	Ca42	<i>Candida krusei</i>	12-21
ATCC®750	Ca79	<i>Candida tropicalis</i>	14-23

Nystatin NY 100C using Internal Quality Control Criteria:

ATCC	Mast Code	Organism	Criteria mm
ATCC®90028	Ca30	<i>Candida albicans</i>	17-26
ATCC®22019	Ca43	<i>Candida parapsilosis</i>	16-25
ATCC®6258	Ca42	<i>Candida krusei</i>	15-25
ATCC®750	Ca79	<i>Candida tropicalis</i>	16-26

All tests are performed on Mueller Hinton Agar with 2% Glucose & Methylene Blue according to CLSI methodology¹.

References

1. Clinical and Laboratory Standards Institute. 2009. Method for antifungal disk diffusion susceptibility testing of yeasts; approved guideline, 2nd ed., M44-A2 Clinical and Laboratory Standards Institute, Wayne, PA