

Materials List for:

Establishment of an *In vitro* System to Study Intracellular Behavior of *Candida glabrata* in Human THP-1 Macrophages

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Materials

Name	Company	Catalog Number	Comments
THP-1	American Type Culture Collection	TIB 202	Human acute monocytic leukemia cell line
RPML-1640	Hyclone	SH30096.01	For maintaining THP-1 cells
Phorbol 12-myristate 13-acetate	Sigma-Aldrich	P 8139	Caution: Hazardous
YPD	BD-Difco	242710	For growing <i>Candida glabrata</i> cells
Formaldehyde	Sigma-Aldrich	F8775	For fixation of <i>C. glabrata</i> -infected THP-1 macrophages
Phosphate buffered saline (PBS)			Buffer (137 mM NaCl, 10 mM Phosphate, 2.7 mM KCl, pH 7.4) for washes
Saline-sodium citrate (SSC)			Buffer (3 M NaCl, 0.3 M sodium citrate for 20x concentration) for washes
Prehybridization buffer			Buffer (50% formamide, 5x Denhardt's solution, 5x SSC, 1% SDS) for hybridization
VECTASHIELD mounting medium	Vector Labs	H-1200	For mounting slides for confocal microscopy
³² P-labeled α-dCTP	JONAKI-BARC	LCP-102	For radiolabeling of signature tags
100 mm tissue culture dishes	Corning	430167	To culture THP-1 cells
24-well tissue culture plate	Corning	3527	To perform <i>C. glabrata</i> infection studies in THP-1 macrophages
4-chamber tissue culture-treated glass slide	BD Falcon	REF354104	To image <i>C. glabrata</i> -infected THP-1 macrophages
Hemocytometer	Rohem India		For enumeration of cells
Table top microcentrifuge	Beckman Coulter	Microfuge 18	For spinning down cells in microtubes
Table top centrifuge	Remi	R-8C	For spinning down cells in 15 ml tubes
Spectrophotometer	Amersham Biosciences	Ultraspec 10	To monitor absorbance of yeast cells
Plate incubator	Labtech	Refrigerated	To grow <i>C. glabrata</i> cells
Shaker incubator	New Brunswick	Innova 43	To grow <i>C. glabrata</i> cells
Water jacketed CO ₂ incubator	Thermo Electron Corporation	Forma series 2	To culture THP-1 cells
Confocal microscope	Carl Zeiss	Ziess LSM 510 meta	To observe <i>C. glabrata</i> -infected THP-1 macrophages

Compound microscope	Olympus	CKX 41	To observe <i>C. glabrata</i> and THP-1 macrophages
PCR machine	BioRad	DNA Engine	To amplify unique tags from input and output genomic DNA
Hybridization oven	Labnet	Problot 12S	For hybridization
PhosphorImager	Fujifilm	FLA-9000	For scanning hybridized membranes
Thermomixer	Eppendorf	Thermomixer Comfort	For denaturation of radiolabeled signature tags
Gel documentation unit	Alphainnontech	Alphaimager	To visualize ethidium bromide-stained DNA in agarose gels