

Materials List for:

Genetic Manipulation in $\Delta ku80$ Strains for Functional Genomic Analysis of *Toxoplasma gondii*

Leah M. Rommereim¹, Miryam A. Hortua Triana¹, Alejandra Falla¹, Kiah L. Sanders¹, Rebekah B. Guevara¹, David J. Bzik¹, Barbara A. Fox¹

¹Department of Microbiology and Immunology, The Geisel School of Medicine at Dartmouth

Correspondence to: Barbara A. Fox at Barbara.A.Fox@dartmouth.edu

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Materials

Name	Company	Catalog Number	Comments
Overlap Primers	Integrated DNA Technologies		4 nmole Ultramer DNA oligos
Validation Primers	Integrated DNA Technologies		100 nmole DNA Oligo
Yeast Strain #90845	ATCC		Designation FY834
Shuttle Vector pRS416	ATCC	87521	
DH10B <i>E. coli</i>	Invitrogen	12033-015	SOC broth in kit with <i>E. coli</i>
Resuspension Buffer	Qiagen		Buffer P1 in QIAprep Spin Miniprep Kit
Miniprep Kit	Qiagen	27104	QIAprep Spin Miniprep Kit
Glass Beads	Scientific Industries	SI-BG05	0.5 mm acid-washed
Qiacube Automated Robotic Work Station	Qiagen		
Electroporation Cuvette	USA Scientific	9104-5050	2 mm-gap
BTX600 electroporator	BTX		
Maxiprep Kit	Qiagen	12662	QIAprep Spin Maxiprep Kit
25 cm ² Canted neck plug seal flask	Corning	430168	
150 cm ² Canted Neck plug seal flask	Corning	430823	
Human Foreskin Fibroblasts (HFF) cells	ATCC	SCRC1041	
Swin-lok Filter Holder	Whatman	420200	25-mm-diameter
Membrane	Whatman	110612	Nucleopore Track-etched Membrane 3 mm pore size, 25-mm-diameter
Mycophenolic acid (MPA)	Sigma		
Xanthine (X)	Sigma		
96-well Tissue Culture Tray	Corning Costar		
24-well Tissue Culture Tray	Corning Costar		
MEM Eagle Media	Lonza Biowhittaker	12-611F	
Fetal Bovine Serum	Gibco	26140-111	
Antibiotic-Antimycotic (Anti-Anti)	Gibco	15240-062	
Spin Column	Primm Labs	PAE-100	Easy Clean DNA Extraction Spin Kit
T4 DNA Ligase	New England Biolabs		
6-thioxanthine	Acros Organics		
Tissue DNA Minikit	Qiagen	51104	QIAamp DNA Blood Mini Kit

Cell Culture Freeze/Recovery Media	Gibco	126-48-010	
Phosphate Buffered Saline	Hyclone	SH30028.02	minus calcium, minus magnesium