

Materials List for:

# Genetic Engineering of *Dictyostelium discoideum* Cells Based on Selection and Growth on Bacteria

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## Materials

Name	Company	Catalog Number	Comments
<b>Equipment</b>			
Eppendorf Microcentrifuges 5424/5424R	ThermoScientific	05-400-002	
Eppendorf 5702R Centrifuges with A-4-38 Model Rotor	ThermoScientific	12823252	
Eppendorf Mastercycler Nexus Thermal Cyclers	Sigma Aldrich	EP6331000025	
Gene Pulser X Cell, including CE & PC modules	BioRad	1652660	
Safety Cabinet Foruna - SCANLAF	Labogene		
BioPhotometer Plus	Eppendorf		
CLSM 710	Zeiss		
<b>Media &amp; Agaroses</b>			
LoFlo Medium	Formedium	LF0501	
Seakem GTG Agarose	Lonza	50071	
Low EEO Agarose	BioGene	300-200	
Purified Agar	Oxoid	LP0028	
SM broth	Formedium	SMB0102	
2x LB broth	Formedium	LBD0102	
<b>Chemicals</b>			
SYBR Safe DNA Gel Stain	ThermoScientific	S33102	
1 Kb Plus DNA Ladder	ThermoScientific	10787018	
1 Kb DNA Ladder	NEB	N3232L	
HEPES free acid	Sigma Aldrich/Merck	391340 EMD	
KH <sub>2</sub> PO <sub>4</sub>	VWR	P/4800/53	
Na <sub>2</sub> HPO <sub>4</sub> * 2 H <sub>2</sub> O	VWR	10028-24-7	
MgCl <sub>2</sub> * 6 H <sub>2</sub> O	Sigma Aldrich/Merck	5982 EMD	
CaCl <sub>2</sub> * 2 H <sub>2</sub> O	Sigma Aldrich	442909	
Folic Acid	Sigma Aldrich	F7876	
KOH	VWR	26668.263	
<b>Cultur Dishes</b>			

96 Well Cell Culture Cluster, Flat Bottom with Low Evaporation Lid, Tissue Culture Treated	Corning Incorporated	3595	
6 Well Cell Culture Cluster, Flat Bottom with Lid, Tissue Culture Treated	Corning Incorporated	3516	
100 x 20 mm style Tissue Culture Dish, Tissue Culture Treated	Corning Incorporated	353003	
50 mm Glass Bottom Microwell Dishes No1.5	MatTek Corporation	P50G-1.5-30-F	
<b>Antibiotics</b>			
Geneticin G418-sulphate	Gibco by Life Technologies	11811-023	
Hygromycin B Gold	InvivoGen	ant-hg-1	
<b>Additional Consumables</b>			
2mm gap electroporation cuvettes, long electrode	GeneFlow Limited	E6-0062	
10 µl Inoculating Loop, Blue 10 Micro L	ThermoScientific	129399	
Spreader, L-shaped, sterile	greiner bio-one	730190	
Combitips advanced 5 ml	Eppendorf BIOPUR	30089669	
<b>Kits</b>			
ZR Plasmid Miniprep Classic	Zymoresearch	D4016	
Quick DNA Miniprep Kit	Zymoresearch	D3025	
Zymoclean DNA Recovery Kit	Zymoresearch	D40002	
<b>Enzymes</b>			
Restriction enzymes	NEB		
OneTaq 2X Master Mix with Standard Buffer	NEB	M0482L	
T4 DNA Ligase	NEB	M0202S	
PrimeSTAR Max DNA Polymerase	TakaraBio	R045A	