

Materials List for:

Generation of *Enterobacter* sp. YSU Auxotrophs Using Transposon Mutagenesis

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Materials

Name	Company	Catalog Number	Comments
EZ-Tn5 R6Kγori/KAN-2 Tnp Transposome Kit	Epicentre (Illumina)	TSM08KR	
EC100D pir ⁺ Electrocompetent <i>E. coli</i>	Epicentre (Illumina)	ECP09500	Capable of replicating plasmids with an R6Kγ replication origin at a low copy number
EC100D pir-116 Electrocompetent <i>E. coli</i>	Epicentre (Illumina)	EC6P095H	Capable of replicating plasmids with an R6Kγ replication origin at a high copy number
5X M-9 Salts	Thermo Fisher	DF048517	
Lennox LB Broth	Thermo Fisher	BP1427-2	
Agar	Amresco, Inc.	J637-1KG	Solid media contained 1.6% (w/v) agar
Kanamycin Sulfate	Amresco, Inc.	0408-25G	When required, media contained 50 μg/ml kanamycin sulfate
D-Glucose Monohydrate	Amresco, Inc.	0643-1KG	
Yeast Extract	Amresco, Inc.	J850-500G	
Tryptone	Amresco, Inc.	J859-500G	
KCl	Sigma-Aldrich	P4504-500G	
NaCl	Amresco, Inc.	X190-1KG	
MgCl ₂	Fisher Scientific	BP214-500	
MgSO ₄	Fisher Scientific	BP213-1	
Super Optimal Broth with Catabolite Repression (SOC) medium			0.5% (w/v) yeast extract, 2% (w/v) tryptone, 10 mM NaCl, 2.5 mM KCl, 10 mM MgCl ₂ , 20 mM MgSO ₄ and 20 mM Glucose
BfuC I	NEB	R0636S	Partial digestion of genomic DNA
Xho I	NEB	R0146S	Plasmid digestion
T4 DNA Ligase	NEB	M0202S	
Nuclease Free Water	Amresco, Inc.	E476-1L	For dissolving precipitated DNA and restriction endonuclease reactions
GenomeLab DTCS - Quick Start Kit	Beckman Coulter	608120	DNA sequencing
Wizard Genomic DNA Purification Kit	Promega	A1120A	
Wizard Plus SV Minipreps DNA Purification System	Promega	A1460	Plasmid purification
Replica Plating Block	Thermo Fisher	09-718-1	
Velveteen Squares	Thermo Fisher	09-718-2	Replica plating

PetriStickers	Diversified Biotech	PSTK-1100	Grid for replica plating
Petri Dishes	Thermo Fisher	FB0875712	
Gene Pulser II	BioRad		Electroporation
Electroporation Cuvettes – 2 mm	BioExpress	E-5010-2	
CentriVap DNA Vacuum Concentrator	Labconco	7970010	Drying DNA
CEQ 2000XL DNA Analysis System	Beckman Coulter		DNA sequencing
Vector NTI Advance 11.5.0	Life Technologies	12605099	DNA sequence analysis