

Materials List for:

Determination of the Optimal Chromosomal Location(s) for a DNA Element in *Escherichia coli* Using a Novel Transposon-mediated Approach

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Materials

Name	Company	Catalog Number	Comments
Autoclaved Mili-Q water		None	
Electroporation Cuvettes, 0.1 cm	Thermo Fisher Scientific	P41050	
Bio-Rad MicroPulser Electroporation System	Bio-Rad	165-2100	
LB Broth	Thermo Fisher Scientific	12780029	
LB Agar, powder (Lennox L agar)	Thermo Fisher Scientific	22700025	
Glycerol	Thermo Fisher Scientific	17904	
Fisherbrand Plastic Petri Dishes	Fisher Scientific	S33580A	
Falcon 50mL Conical Centrifuge Tubes	Fisher Scientific	14-432-22	
Falcon 15mL Conical Centrifuge Tubes	Fisher Scientific	14-959-53A	
Nunc CryoTubes	Sigma-Aldrich	V7634	
Phusion High-Fidelity DNA Polymerase (2 U/ μ L)	Thermo Fisher Scientific	F530S	
dATP, [α - ³² P]- 3000Ci/mmol 10mCi/ml, 250 μ Ci	PerkinElmer	BLU012H250UC	
DECAprime II DNA Labeling Kit	Thermo Fisher Scientific	AM1455	
Spectrophotometer SF/MBV/03.32	Pharmacia		
Hermle Centrifuge SF/MBV/03.46	Hermle		
Ole Dich Centrifuge SF/MBV/03.29	Ole Dich		
Eppendorftubes 1.5 mL	Sigma-Aldrich	T9661	
Eppendorftubes 2.0 mL	Sigma-Aldrich	T2795	
Sodium Chloride	Merck	6404	
96% Ethanol	Sigma-Aldrich	16368	
Trizma HCl	Sigma-Aldrich	T-3253	
Phenol Ultra Pure	BRL	5509UA	
Chloroform	Merck	2445	
Ribonuclease A type II A	Sigma-Aldrich	R5000	
Sodiumdodecylsulphate (SDS)	Merck	13760	
Lysozyme	Sigma-Aldrich	L 6876	
Isopropanol	Sigma-Aldrich	405-7	
0.5M Na-EDTA pH 8.0	BRL	5575 UA	

Kanamycin sulfate	Sigma-Aldrich	10106801001	
PvuI (10 U/μL)	Thermo Fisher Scientific	ER0621	
UltraPure Agarose	Thermo Fisher Scientific	16500500	
DNA Gel Loading Dye (6X)	Thermo Fisher Scientific	R0611	
Tris-Borate-EDTA buffer	Sigma-Aldrich	T4415	
Ethidium bromide	Sigma-Aldrich	E7637	
Hydrochloric acid	Sigma-Aldrich	433160	
Sodium Hydroxide	Sigma-Aldrich	71687	
Whatman 3MM papers	Sigma-Aldrich	WHA3030931	
SSC Buffer 20× Concentrate	Sigma-Aldrich	S6639	
Amersham Hybond-N+	GE Healthcare	RPN119B	
Ficoll 400	Sigma-Aldrich	F8016	
Polyvinylpyrrolidone	Sigma-Aldrich	PVP40	
Bovine Serum Albumin - Fraction V	Sigma-Aldrich	85040C	
Deoxyribonucleic acid sodium salt from salmon testes	Sigma-Aldrich	D1626	
Carestream Kodak BioMax light film	Sigma-Aldrich	Z373494	
GenElute Gel Extraction Kit	Sigma-Aldrich	NA1111	
GenElute PCR Clean-Up Kit	Sigma-Aldrich	NA1020	
T100 Thermal Cycler	Bio-Rad		
SmartSpec Plus Spectrophotometer	Bio-Rad		
Rifampicin	Serva	34514.01	
Cephalexin	Sigma-Aldrich	C4895	
Mithramycin	Serva	29803.02	
Magnesium chloride hexahydrate	Sigma-Aldrich	246964	
Apogee A10 instrument	Apogee		