

# Generation of Null Mutants to Elucidate the Role of Bacterial Glycosyltransferases in Bacterial Motility

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## Materials

Name	Company	Catalog Number	Comments
ABI PRISM Big Dye Terminator v. 3.1 Cycle Sequencing Ready Reaction Kit	Applied Biosystems	4337455	Used for sequencing
AccuPrime Taq DNA Polymerase, high fidelity	Invitrogen	12346-086	Used for amplification of AB, CD and AD fragments
Agarose	Conda-Pronadise	8008	Used for DNA electrophoresis
Alkaline phosphatase, calf intestinal (CIAP)	Promega	M1821	Used to remove phosphate at the 5' end
Bacto agar	Becton Dickinson	214010	Use for motility analysis
BamHI	Promega	R6021	Used for endonuclease restriction
BglII	Promega	R6081	Used for endonuclease restriction
BioDoc-It Imagin System	UVP		Bio-imaging station used for DNA visualization
Biotaq polymerase	Bioline	BIO-21040	Used for colony screening
Cesium chloride	Applichem	A1126,0100	Used for flagella purification
Chloramphenicol	Applichem	A1806,0025	Used for triparental mating
Cytiva illustra GFX PCR DNA and Gel Band Purification Kit	Cytiva	28-9034-71	Used for purification of PCR amplicons and DNA fragments.
EDTA	Applichem	131026.1211	Used for DNA electrophoresis
Electroporation cuvettes 2 mm gap	VWR	732-1133	Used for transformation
Ethidium bromide	Applichem	A1152,0025	Use for DNA visualization
HyperLadder 1 Kb marker	Bioline	BIO-33053	DNA marker
Invitrogen Easy-DNA gDNA Purification Kit	Invitrogen	10750204	Used for bacterial chromosomal DNA purification
Luria-Bertani (LB) Miller agar	Condalab	996	Used for <i>Escherichia coli</i> culture
Luria-Bertani (LB) Miller broth	Condalab	1551	Used for <i>Escherichia coli</i> culture
Nanodrop ND-1000	NanoDrop Technologies Inc		Spectrophotometer used for DNA quantification
Rifampicin	Applichem	A2220,0005	Used for triparental mating

SOC Medium	Invitrogen	15544034	Used for electroporation recovery
Spectinomycin	Applichem	A3834,0005	Used for triparental mating
SW 41 Ti Swinging-Bucket Rotor	Beckman	331362	Used for flagella purification
T4 DNA ligase	Invitrogen	15224017	Used for ligation reaction
Trypticasein soy agar	Condalab	1068	Used for Aeromonas grown
Trypticasein soy broth	Condalab	1224	Used for Aeromonas grown
Tryptone	Condalab	1612	Use for motility analysis
Tris	Applichem	A2264,0500	Used for DNA electrophoresis and flagella purification
Triton X-100	Applichem	A4975,0100	Used for bacterial lysis
Ultra Clear tubes (14 mm x 89 mm)	Beckman	344059	Used for flagella purification
Veriti 96 well Thermal Cycler	Applied Biosystems		Used for PCR reactions
Zippy Plasmid Miniprep II Kit	Zymmo research	D4020	Used for isolation of plasmid DNA