

Materials List for:

Generation of a Gene-disrupted *Streptococcus mutans* Strain Without Gene Cloning

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Materials

Name	Company	Catalog Number	Comments
<i>Streptococcus mutans</i>	Stock strain in the lab.		Wild-type strain (Strain UA159)
Genomic DNA extraction kit	Zymo Research	D6005	
Bead-beating disruption apparatus	Taitec	GM-01	
Synthetic genes	Eurofins Genomics	Custom-ordered	Spectinomycin- and erythromycin-resistance gene
Thermal cycler	Astec	PC-708	
PCR primers	Eurofins Genomics	Custom-ordered	35 bases in length
DNA polymerase	Takara	R045A	High-fidelity DNA polymerase
Gel extraction kit	Nippon Genetics	FG-91202	DNA extraction from agarose gel
Gel band cutter	Nippon Genetics	FG-830	
Spectrophotometer	Beckman Coulter	DU 800	
Electroporator	Bio-rad	1652100	
Electroporation cuvette	Bio-rad	1652086	0.2-cm gap
Anaeropack	Mitsubishi Gas Chemical	A-03	Anaerobic culture system
Brain heart infusion broth	Becton, Dickinson	237500	Bacterial culture media
Spectinomycin	Wako	195-11531	Antibiotics
Erythromycin	Wako	057-07151	Antibiotics
Sucrose	Wako	196-00015	For biofilm development
CBB R-250	Wako	031-17922	For biofilm staining