

Materials List for:

Highly Sensitive and Rapid Fluorescence Detection with a Portable FRET Analyzer

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Materials

Name	Company	Catalog Number	Comments
LB	BD	#244620	
isopropyl β -D-thiogalactoside (IPTG)	Sigma	I6758	
Ampicillin	Sigma	A9518	
Tri-HCl	Bioneer	C-9006-1	
PMSF	Sigma	78830	
EDTA	Bioneer	C-9007	
DTT	Sigma	D0632	
NaCl	Junsei	19015-0350	
phosphate-buffered saline (PBS)	Gibco	70011-044	0.8% NaCl, 0.02% KCl, 0.0144% Na ₂ HPO ₄ , 0.024% KH ₂ OP ₄ , pH 7.4
SOC			2% tryptone, 0.5% Yeast extract, 10 mM NaCl, 2.5 mM KCl, 10 mM MGCl ₂ , 20 mM Glucose
Resource Q	Amersham Biosciences	17-1177-01	6 × 30 mm anion-exchange chromatography column
HisTrap HP1	Amersham Biosciences	29-0510-21	
Quartz cuvette	Sigma	Z802875	
AKÅKTAFLC	Amersham Biosciences	18-1900-26	a fast protein liquid chromatography (FPLC)
Cary Eclipse	VarianInc		a fluorescence spectrophotometer
VICTOR	PerkinElmer	2030-0050	a multilabel plate reader
<i>E. coli</i> JM109 (DE3)	Promega		Electrocompetent cells
A (Beverage)	Korea Yakult Co. (Korea)	Birak	Fermented drinks
B (Beverage)	Lotte Foods (Korea)	Epro	Soft drink
C (Beverage)	Lotte Foods (Korea)	Getoray	Sports drink