

Materials List for:

***In Situ* Measurement and Correlation of Cell Density and Light Emission of Bioluminescent Bacteria**

Eveline Brodl¹, Johannes Niederhauser¹, Peter Macheroux¹

¹Institute of Biochemistry, Graz University of Technology

Correspondence to: Peter Macheroux at peter.macheroux@tugraz.at

URL: <https://www.jove.com/video/57881>

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Materials

Name	Company	Catalog Number	Comments
NEBuilder High-Fidelity DNA Assembly Cloning Kit	New England Biolabs Inc.	E2621S	for 10 rxn dx.doi.org/10.17504/protocols.io.cwaxad
Phusion Polymerase	Thermo Scientific	F530S	
Q5 High Fidelity DNA Polymerase	New England Biolabs Inc.	M0491S	
GeneJet Genomic DNA Purification Kit	Thermo Scientific	K0721	for 50 rxn
Restriction enzymes and buffer (NcoI, XhoI)	New England Biolabs Inc.	R3193S/R0146S	
Wizard SV Gel and PCR Clean-Up kit	Promega	A9282	for 250 rxn
Monarch DNA Gel Extraction Kit	New England Biolabs Inc.	#T1020S	for 50 rxn
GeneJet Plasmid Miniprep Kit	Thermo Scientific	K0503	for 250 rxn
GoTaq G2 DNA Polymerase	Promega	M7841	
24-well black sensoplate with glass bottom	Greiner Bio One	662892	
FLUOStar Omega plate reader	BMG Labtech		
OPTIMA/Mars Analysis Software	BMG Labtech		Version 2.20
Microsoft Excel 2010	Microsoft		
Multitron Standard Incubator Shaker	Infors AG		