

Materials List for:

Mutagenesis and Functional Selection Protocols for Directed Evolution of Proteins in *E. coli*

Chris Troll¹, David Alexander¹, Jennifer Allen¹, Jacob Marquette¹, Manel Camps¹

¹Department of Microbiology & Environmental Toxicology, University of California Santa Cruz - UCSC

Correspondence to: Manel Camps at mcamps@ucsc.edu

URL: <https://www.jove.com/video/2505>

DOI: [doi:10.3791/2505](https://doi.org/10.3791/2505)

Materials

Name	Company	Catalog Number	Comments
carbenicillin	Cellgro	46100R6	0.1mg/ml final
tetracycline	Fisher Scientific	BP7640	0.05mg/ml final
chloramphenicol	Genlantis	M120100	0.03mg/ml final
LB Agar Miller	Fisher Scientific	BP1425	
LB Broth Miller	Difco Laboratories	244620	
Soft Agar	Difco Laboratories	214580	Made in house
Acridine Orange	Sigma-Aldrich	A38401-1	
Antifoam B emulsion	Sigma-Aldrich	A5757	
Glycerol	Acros Organics	332030025	
100x100x15mm sq dish	Fisher Scientific	0875711A	
100mm rnd dish	Fisher Scientific	0875712A	
Microscope slide 25x75x1mm	Gold Seal	3048	
Electroporator 2510	Eppendorf		
Electroporator 2510	Eppendorf		
2mm gap tubes	Molecular BioProducts	5520	
Zippy mini prep kit	Zymo Research Corp.	D4020	