

Materials List for:

The Multifaceted Benefits of Protein Co-expression in *Escherichia coli*

Alessandra Stefan^{1,2}, Alessandro Ceccarelli¹, Emanuele Conte¹, Alejandro Montón Silva¹, Alejandro Hochkoepler^{1,2}

¹Department of Pharmacy and Biotechnology, University of Bologna

²CSGI, Department of Chemistry, University of Firenze

Correspondence to: Alejandro Hochkoepler at a.hochkoepler@unibo.it

URL: <https://www.jove.com/video/52431>

DOI: [doi:10.3791/52431](https://doi.org/10.3791/52431)

Materials

Name	Company	Catalog Number	Comments
Agar	Sigma-Aldrich	A1296	
Ampicillin	Sigma-Aldrich	A9518	
Chloroform	Sigma-Aldrich	288306	
EDTA	Sigma-Aldrich	EDS	
Glycerol	Sigma-Aldrich	G5516	
INT	Sigma-Aldrich	I8377	
IPTG	Sigma-Aldrich	I5502	
KCl	Sigma-Aldrich	P9541	
L-Arabinose	Sigma-Aldrich	A3256	
MgCl ₂	Sigma-Aldrich	M2670	
NaCl	Sigma-Aldrich	31434	
PMSF	Sigma-Aldrich	P7626	
PNP-gluc	Sigma-Aldrich	N7006	
pNP-TMP	Sigma-Aldrich	T0251	
Tetracyclin	Sigma-Aldrich	87128	
Trizma base	Sigma-Aldrich	T1503	
Tryptone	Sigma-Aldrich	95039	
Yeast extract	Fluka	70161	
Acrylamide solution 30%	BioRad	161-0158	For gel electrophoresis
Ammonium persulphate	BioRad	161-0700	For gel electrophoresis
Glycine	BioRad	161-0718	For gel electrophoresis
SDS	BioRad	161-0302	For gel electrophoresis
TEMED	BioRad	161-0800	For gel electrophoresis
Tris	BioRad	161-0719	For gel electrophoresis
Cuvettes 0.1 cm	BioRad	1652089	For electroporation
Centrifuge 5415R	Eppendorf		
Centrifuge Allegra 21R	Beckman		
Chromatography apparatus GradiFrac	Pharmacia Biotech		
Gene Pulser II electroporation	BioRad		
Microplate Reader 550	Biorad		
MiniProtean 3 cell	BioRad		
Power Supply	BioRad		
Sonicator 3000	Misonix		