

# Lysate from DH5alpha cells and M15 cells

## 1. Aim of the experiment

Obtain lysate in which beta gal is not expressed already as in our lysate from BL21 cells so we can have certainty that it is the lacZ template that is being transcribed and translated.

### a. Hypothesis / expected results

Functional lysate around 600 ug/ml concentration

### b. Team / TAs / schedule

iGEM student	TA	Scheduled TA help time
Malek Kabani	Barbora	

### c. Consumables / lab equipments

Component	Volume
Glycerol stock of DH5alpha	
Glycerol stock of M15	
Buffer A	Around 50 mL for one lysate
DDT in solution	Around 2 uL
Big centrifuge (4 C temperature)	
sonicator	
Small centrifuge (4 C temperature)	
50ml tubes	
2ml tubes	

Experimental design by: iGEMer's Nom, Prenom, 2017/MM/DD

Proofread by: TA's Nom, Prenom, 2017/MM/DD

Electronic balance	
Liquid nitrogen	

### d. Detailed description / protocol

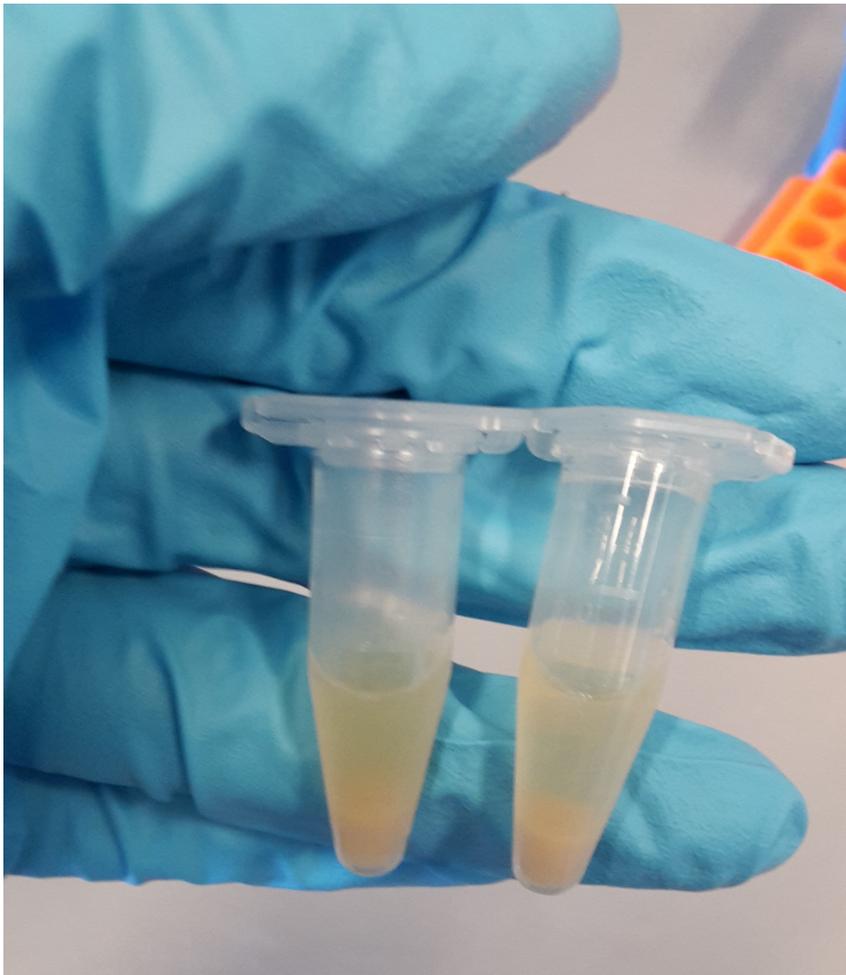
Cf. Barbora's 200ml lysate preparation

### e. Photos of the lysate change

1) before and after sonication



2) after centrifugation:



## f. Results

Bradford assay:

Sample ID	ug/ml	nm	Abs	Norm nm	Norm Abs.
M15-1	475.8	595	475,8	750	0,001
M15-2	512.6	595	512,6	750	0,003
M15-3	584.4	595	484,4	750	0,191
DH5apha-1	509.2	595	509,2	750	-0,002
DH5apha-2	619.8	595	619,8	750	0,001
DH5alpha-3	627.2	595	627,2	750	0,002