# 08. (August) 2019

Project: iGEM\_Munich2019 Shared Project

Authors: Johanna Wallner

TUESDAY, 13/8/2019

### <u>Johanna</u>

## cell culture: transfection for Purification and qPCR

- 550 µL medium were exchanged before transfection
- 2 24-well plates seeded the 12th of August

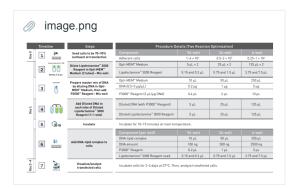
	Condition	V8	V10	V11	V14	V15	V27	V28	V30
1	2	200 ng	-	-	-	-	-	-	300 ng
2	4	200 ng	-	100 ng	100 ng	-	100 ng	-	-
3	6	200 ng	100 ng	-	100 ng	-	100 ng	-	-
4	7	200 ng	100 ng	-	-	100 ng	100 ng	-	-
5	9	200 ng	-	100 ng	-	100 ng	100 ng	-	-
6	4H	200 ng	-	100 ng	100 ng	-	-	100 ng	-
7	V14	-	-	-	500 ng	-	-	-	-

### Transfection:

Transfectionmix 24-well plate 13/0					
	Α	В			
1	DNA per well	500 ng			
2	P3000 Reagent per well	1 μL			
3	Lipofectamine 3000 reagent per well	0.75 μL			
4	OptiMEM per well	2 x 25 μL			

■ Transfect cells according to the following table. Use the indicated volume of DNA and P3000<sup>™</sup> Reagent with each of the two volumes of Lipofectamine<sup>™</sup> 3000 (when performing optimization). Each reaction mix volume is for one well and accounts for pipetting variations. Scale volumes proportionally for additional wells.

file:///tmp/tmpzmL9MN.html



• transfection finisthed at 10:00

## <u>Alejandro</u>

cell culture: transfection for HiBit Assay in 96-well plates

- cells were at 50-60 % confluence (rather 50 % after medium eschange)
- 100 µL medium over the cells were exchanged before transfectin
- transfection was finished at 11:30
- 8 replicates

Trans	Transfection scheme - HiBit 96-well plate 13/08/19 (ng per well)							
	Condition	V8	V10	V11	V14	V15	V17	V30
1	1	-	-	-	-	-	-	100 ng
2	2	40 ng	-	-	-	-	20 ng	40 ng
3	4	40 ng	-	20 ng	20 ng	-	20 ng	-
4	6	40 ng	20 ng	-	20 ng	-	20 ng	-
5	7	40 ng	20 ng	-	-	20 ng	20 ng	-
6	9	40 ng	-	20 ng	-	20 ng	20 ng	-

Transfection:

Transfectionmix 96-well plate 13/0					
	Α	В			
1	DNA per well	100 ng			
2	P3000 Reagent per well	0.2 μL			
3	Lipofectamine 3000 reagent per well	0.15 μL			
4	OptiMEM per well	2 x 5 μL			

 Transfect cells according to the following table. Use the indicated volume of DNA and P3000™ Reagent with each of the two volumes of Lipofectamine™ 3000 (when performing optimization). Each reaction mix volume is for one well and accounts for pipetting variations. Scale volumes proportionally for additional wells.

file:///tmp/tmpzmL9MN.html

