10. (October) 2019

Project: iGEM_Munich2019 Shared Project

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SATURDAY, 5/10/2019

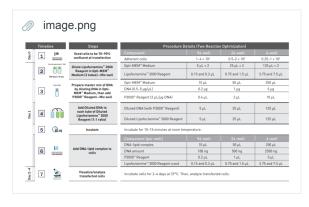
<u>Alejandro</u>

Cell Culture: Transfection

- 96-well plate
 - o transfect triplicates

Transfectionmix 96-well plate 05/1			
	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.



Transfection scheme

Trans	Transfection scheme - 05/10/19 in ng per well - 96-well plate- HiBit							
	condition	wells	V8	V41	V42.1	V42.2	V15	V34
1	1	6	-	-	-	-	-	-
2	2	6	60 ng	-	-	-	40 ng	-
3	3	6	-	60 ng	-	-	40 ng	-
4	4	6	-	-	-	-	40 ng	60 ng
5	5	6	-	-	60 ng	-	40 ng	-
6	6	6	-	-	-	60 ng	40 ng	-

file:///tmp/tmp4QlOKU.html

<u>Joshi</u>

Cell Culture: Transfection

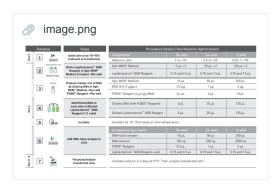
- min6 VLP transfection for qPCR
- 550 µL medium were exchanged before transfection

trans	transfection scheme qPCR min6 05/10/2019 - in ng per well					
	condition	V30	V15	V42.1	V42.2	V14
1	Mock	500 ng	-	-	-	-
2	Only V15	300 ng	200 ng	-	-	-
3	Fusion 1 o.k.	-	200 ng	300 ng	-	-
4	Fusion 1 x	-	-	300 ng	-	200 ng
5	Fusion 2 o.k.	-	200 ng	-	300 ng	-
6	Fusion 2 x	-	-	-	300 ng	200 ng

o Transfection:

Transfectionmix 24-well plate 05/1				
	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™ 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/tmp4QlOKU.html