09. (September) 2019

Project: iGEM_Munich2019 Shared Project
Authors: Johanna Wallner

TUESDAY, 24/9/2019
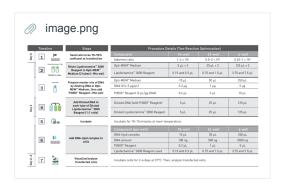
Alejandro

Transfection

- transfection time: 14:00
- 6-well plates

Transfectionmix 6-well plate 24/09…

	A	B
1	DNA per well	2500 ng
2	P3000 Reagent per well	5 µL
3	Lipofectamine 3000 reagent per well	3.75 µL
4	OptiMEM per well	2 x 125 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.
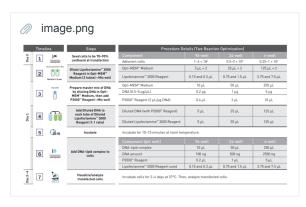
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- Transfection scheme

Transfection scheme - 24/09/19 in ng per well - 6-well plate

	condition	V5	V41	V14	V15	V30
1	Mock	-	-	-	-	2500 ng
2	V15	-	-	-	1000 ng	1500 ng
3	V41 ok	-	1500 ng	-	1000 ng	-
4	V41 x	-	1500 ng	1000 ng	-	-
5	1:1 ok	725 ng	725 ng	-	1000 ng	-
6	1:1 x	725 ng	725 ng	1000 ng	-	-

- 96-well plate
  - transfect triplicates

Transfectionmix 96-well plate 24/0...

	A	B
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.

image.png

  - Transfection scheme

Transfection scheme - 24/09/19 in ng per well - 96-well plate

	condition	V5	V8	V36	V41	V14	V15	
1	V41 ok	-	-	-	60 ng	-	40 ng	-
2	V41 x	-	-	-	60 ng	40 ng	-	-
3	1:1 ok	30 ng	-	-	30 ng	-	40 ng	-
4	1:1 x	30 ng	-	-	30 ng	40 ng	-	-
5	V8	-	60 ng	-	-	-	-	4
6	V36	-	-	60 ng	-	-	-	4