09. (September) 2019

Project: iGEM_Munich2019 Shared Project
Authors: Johanna Wallner

TUESDAY, 3/9/2019

Johanna

cell culture: transfection: Purification

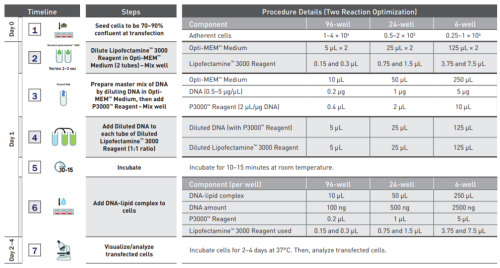
- finished at 9 a.m.
- medium exchange: 1.5 mL out, 2 mL new medium in
- 6-well plate

Transfectionmix 6-well plate 03/09…

	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.

image.png



- Transfection scheme

Transfection scheme - Purification 03/09/19 in ng per well (1: control, 2: Biotin, 3: His)

	wells	V8	V11	V14	V27	V28	V
1	2	1000 ng	500 ng	500 ng	-	-	500 ng
2	2	1000 ng	500 ng	500 ng	500 ng	-	-
3	2	1000 ng	500 ng	500 ng	-	500 ng	-

Alejandro

cell culture: transfection: qPCR

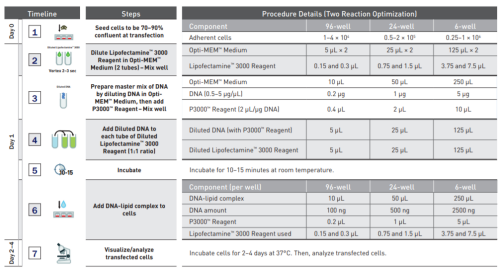
- finished at 12.20 p.m.
- medium exchange: 1.5 mL out, 2 mL new medium in
- 6-well plate

Transfectionmix 6-well plate 03/09…

	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.

image.png



- Transfection scheme (pos. control for Western Blot was transfected on Joshi's plate)

Transfection scheme - qPCR 03/09/19 in ng per well

	condition	V4	V8	V9	V10	V11	V14	V15	V27	V
1	2	-	1000 ng	-	-	-	-	-	500 ng	1000 n
2	3	-	1000 ng	-	-	500 ng	500 ng	-	500 ng	-
3	4	-	1000 ng	-	-	500 ng	-	500 ng	500 ng	-
4	5	-	1000 ng	-	500 ng	-	-	500 ng	500 ng	-
5	6	-	1000 ng	-	500 ng	-	500 ng	-	500 ng	-
6	3*	-	-	1000 ng	-	500 ng	500 ng	-	500 ng	-
7	pos. control for western blot	1500 ng	-	-	-	-	500 ng	-	500 ng	-