

07. (July) 2019

Project: iGEM_Munich2019 Shared Project

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TUESDAY, 9/7/2019

Transfection

Transfected around 13:30 according to the scheme below.

Plate1_MechCheck						
	1	2	3	4	5	6
A	H100, AM150, MeM100 , M150	H100, AM150, MeM100, M150	H100, AM150, MeM100 , M150	H100, AM150, MeM100 , M150	H100, AM150, MeL100, M150	H100, AM150, MeL100, M150
B	H100, AM150, MeL100, M150	H100, AM150, MeL100, M150	H100, AL150, MeL100, M150	H100, AL150, MeL100, M150	H100, AL150, MeL100, M150	H100, AL150, MeL100, M150
C	H100, AL150, MeM100 ,M150	H100, AL150, MeM100, M150	H100, AL150, MeM100 ,M150	H100, AL150, MeM100 ,M150	H100, MeM100 , M300	H100, MeM100 , M300
D	H100, MeL100, M300	H100, MeL100, M300	M500	M500	PBS	PBS

Plate2_AssayTeam_Uptake						
	1	2	3	4	5	6
A	H100, AM150, MeM100 , M150	H100, AL150, MeL100, M150	H100, AL150, MeM100 ,M150	M500	UPTAKE	UPTAK E
B	UPTAKE	UPTAKE				
C						
D						

MeL plasmid has not been sequenced yet from the MaxiPrep, therefore we took the MiniPrep (seq confirmed). We also took a picture of cells before transfection to be able to interpret results correctly (in connection to cell confluency).

Abbreviations:

AL = Adapter with L7Ae (E10)

AM = Adapter with MCP (E11)

MeL = Message fluc_C/D box (E9/V15)

MeM = Message fluc_MS2 (E8/V14)

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H = Handle Lamp2b-Hisx6 (E12)

M = Mock DNA

B = Booster (E1)

e.g. 150 --> 150ng of plasmid etc

UPTAKE = non-transfected cells, that receive a mix of supernatant (from Plate2, wells 1-4) and fresh media (50:50) after 48h and are then analysed by fluc luciferase assay after 72h (Assay team).