

07. (July) 2019

Project: iGEM_Munich2019 Shared Project

Authors: Johanna Wallner

THURSDAY, 11/7/2019

HiBit assay :

- The following samples were tested to make a standard curve and test the detergent effect on the HiBit assay :

HiBit scheme												
	A	B	C	D	E	F	G	H	I	J	K	L
1	X	PBS	PBS	20pmol	20pmol	16	16	12	12	8	8	X
2	4	4	2	2	1	1	C20	C20	C16	C16	1%	1%
3	0.5%	0.5%	0.25%	0.25%	0.1%	0.1%	0.05%	0.05%	0.025%	0.025%	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X
5	M 1:2	M 1:2	M 1:10	M 1:10	M 1:20	M 1:20	M 1:40	M 1:40	X	X	X	X

- 40µL sample + 40µL HiBit mix. 10min shaking
- 1% and so on refers to samples with M-PER™ buffer from Thermo Fisher
- The detergent concentrations refer to the concentration with the sample (concentration in the measured solution with HiBit mix is half that amount).
- Detergent samples contain 4 pmol HiBit.
- 2 seconds exposure time.

Cell culture :

- Splitting of mother plate according to Cell Splitting protocol (passage 12)
- 700µL used for seeding