

# 07. (July) 2019

**Project:** iGEM\_Munich2019 Shared Project

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## Cell culture :

- Exosome samples on plate 2 were harvested (600µL of 800µL) and pooled into 2x15mL Falcons; one with the MCP adapter + fluc\_MS2 and the other one with only the L7Ae adapter. Sarah continued processing the samples.
- In all other wells 600µL medium was exchanged (12:20). There was again some degree of cell death.
- Note : In wells B1,C1,C2,D1 there are huge cell patches missing... corresponding to samples V3a,V5a,V5b and one of the wells for the lysis test.

## Calibration curve with free HiBit peptide :

- The original solution contains 2mg/mL (1.51446 mM) HiBit peptide.
- A 1:1000 dilution was made.
- 132,1µL of the 1:100 dilution were mixed with 3.87mL PBS to yield 4mL of a 500nM HiBit solution
- 500µL of the 500nM solution were mixed with 9.5mL PBS to yield 10mL of a 25nM HiBit solution.
- According to the dilution scheme below a calibration curve was prepared to measure 1000; 800; 600; 400; 200; 0 fmol HiBit in each assay.

dilution scheme		
	25nM (1000fmol in 40µL)	PBS [µL]
1	20 nM (800fmol)	800+200
2	15nM (600fmol)	600+400
3	10nM (400fmol)	400+600
4	5nM (200fmol)	200+800
5	0nM (0 fmol)	0+1000
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