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Project: iGEM_Munich2019 Shared Project

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exosome precipitation protocol exosomes harvesting till step 2

protocol exosome isolation kit

used 200 µl isolation buffer, sotred over night at 4 °C

exosome samples 1 a-c, 1a-c, 3a-c, 4a-c, 5a-c form 06.08 exosome lab book

lysis cell samples : added 1 volume 1% Triton-x-100 in PBS, heat shock 60 °C for 10 min 400 µl

DNase treatment: added 10 µ DNase I + 1/10 volume of DNase I buffer = 80 µl, incubation at 37 °C , 1h, 200 rpm

Trizol RNA extraction after protocl used 400 µl Trizol

Nanodrop measurment:

Table4

	A	B	C	D
1	sample	concentration ng/µl	260/280	260/230
2	EZ 1	280.6	1.79	0.67
3	EZ 2	1103	1.52	0.78
4	EZ 3	1455.2	1.56	1.09
5	EZ 4	1042.5	1.58	0.79
6	EZ 5	1483.2	1.65	1.02

qPCR with cell VLPs and exosomes

spiking in exo-SN 1+2b -< XPA primers used 1µM

rest fluc primers 51 and 52 used 1µM diluted

scheme see sheet

standard curves XPA and Fluc