

05. (May) 2019

Project: iGEM_Munich2019 Shared Project

Authors: Theresa Keil

WEDNESDAY, 29/5/2019

Exosome Precipitation

1. Centrifugation: 3,500 x g for 20 min, remove as much supernatant as possible
2. transfer supernatant to new eppi
3. repeat centrifugation
4. prepare PEG solutions (stock 20 % PEG (2.0 g) and 150 mM NaCl (0.08766 g) stir and heat up to 40 °C
 - a. PEG 8000 + Protamine (final concentration 0.25 mg)
 - b. PEG 35,000 + Protamine (final concentration 0.25 mg)
5. Make 200 µl aliquots from the supernatant from step 3 and add 200 µl of the solutions from step 4
6. Incubate samples over night at 4°C
7. Centrifuge at 2,000 x g for 30 min, RT
8. Discard supernatant
9. Resuspend in 50 µl filtered PBS
10. Store at 4 °C in the fridge up to one week

Exosome precipitation from the supernatant of the 4 wells left from the 6 well plate from 27.05.19